

Converting Colors

XYZ(87.3675, 95.1911,
108.3767)

Have a look what the booklet for
XYZ(87.3675, 95.1911, 108.3767)
contains.

XYZ(87.4362, 95.1327, 108.3618)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(87.4362, 95.1327,
108.3618)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFDFF
RGB	235, 253, 255
RGB Percent	92%, 99%, 100%
CMY	0.0784, 0.0078, 0.0000
CMYK	0.08, 0.01, 0.00, 0.00
HSL	186°, 100%, 96%
HSV	186°, 8%, 100%
XYZ	87.4362, 95.1327, 108.3618
YIQ	247.8460, -11.3700, -3.1940

Conversions

Conversions Part 2

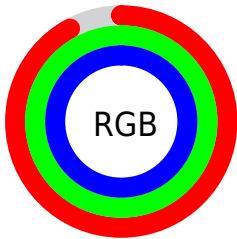
Format	Color
R_{YB}	235, 244, 255
Decimal	15465983
CIE _{Lab}	98.09, -5.47, -2.98
CIE _{LCh}	98, 6.230, 208.571
Yxy	95.1327, 0.3005, 0.3270
Android (android.graphics.Color)	4293656063 (0xFFE8F0FF)
YUV	247.8460, 3.5269, -11.2659
Hunter-Lab	97.5360, -10.6716, 2.4044

Details

The XYZ color **87.4362, 95.1327, 108.3618** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.5188, 87.8245, 90.9906**, and the grayscale version is **89.0782, 93.7172, 102.0581**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5234, 53.1408, 61.1258** is the 20% darker color. If you saturate the color by 10%, you get **78.8163, 89.5077, 107.7304**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

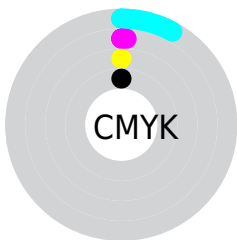
Distribution



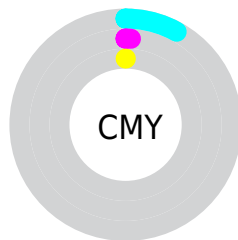
- Red (92%)
- Green (99%)
- Blue (100%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4362, 95.1327, 108.3618 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 87.4362, 95.1327, 108.3618 by changing the saturation by 10% instead.

87.4362, 95.1327,
108.3618

87.4362, 95.1327,
108.3618

508.0182,
544.5897, 608.1556

66.1855, 72.2454,
82.6462

142.6685,
154.4479, 174.7534

48.6912, 53.3592,
61.3594

177.3808,
191.6447, 216.2665

34.5881, 38.0896,
44.0829

217.3110,
234.3800, 263.8826

23.5108, 26.0522,
30.3980

262.8245,
283.0384, 318.0201

15.0939, 16.8627,
19.8863

314.2866,
338.0041, 379.0976

8.9721, 10.1367,
12.1291

372.0627,

4.7799, 5.4897,

399.6617, 447.5337

6.7081

436.5181,
468.3954, 523.7468

■ 2.1521, 2.5373,
3.2045

■ 0.7173, 0.8953,
1.2000

■ 87.4362, 95.1327,
108.3618

■ 87.4362, 95.1327,
108.3618

■ 78.8163, 89.5077,
107.7304

95.0500, 100.0000,
108.9000

■ 71.3603, 84.4958,
107.1560

■ 65.0159, 80.0728,
106.6366

■ 59.7239, 76.2081,
106.1696

■ 55.4195, 72.8681,
105.7518

■ 52.0308, 70.0157,
105.3798

■ 49.4758, 67.6087,
105.0499

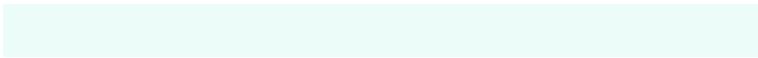
■ 47.6581, 65.5972,
104.7574

■ 46.4484, 63.9146,
104.4964

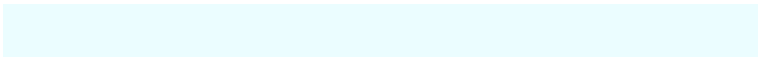
Harmonies

Analogous

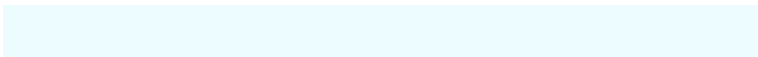
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0287, 95.1327, 103.3380



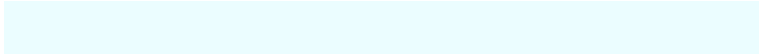
87.4362, 95.1327, 108.3618



88.6406, 95.1327, 112.2103

Triad

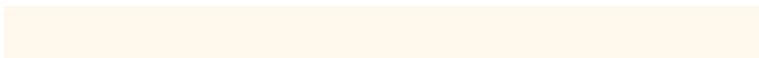
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4362, 95.1327, 108.3618



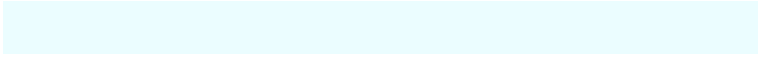
93.3849, 95.1327, 108.8006



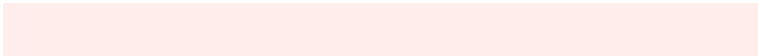
90.5065, 95.1327, 94.0527

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



87.4362, 95.1327, 108.3618



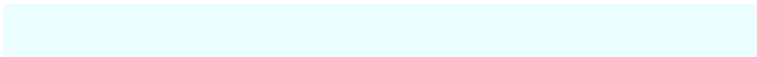
86.5188, 87.8245, 90.9906

Split Complementary

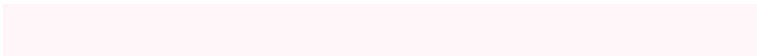
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.2246, 95.1327, 95.4103



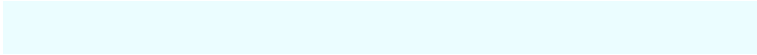
87.4362, 95.1327, 108.3618



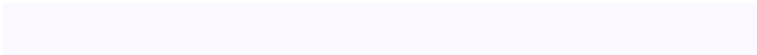
93.8999, 95.1327, 103.8290

Square

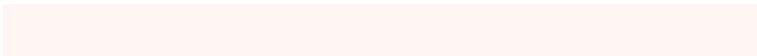
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4362, 95.1327, 108.3618



92.0742, 95.1327, 112.4694



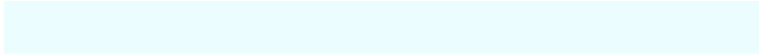
93.4725, 95.1327, 98.9475



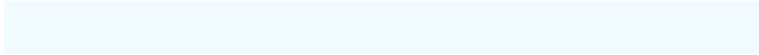
88.7872, 95.1327, 95.1781

Rectangle

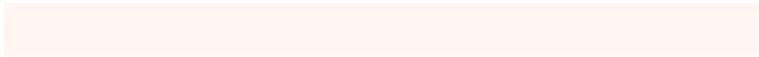
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



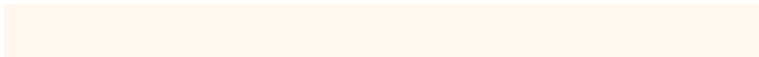
87.4362, 95.1327, 108.3618



89.7415, 95.1327, 113.5326



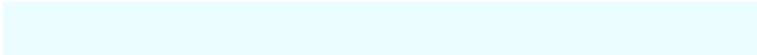
93.4725, 95.1327, 98.9475



91.1035, 95.1327, 94.2330

Sweetspot

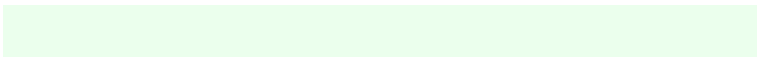
The Sweet Spot groups the original color and five complimentary colors.



87.4386, 95.1366, 108.3624



93.0365, 98.7214, 108.7593



85.2593, 95.2776, 93.7638



19.9347, 21.1439, 23.2805



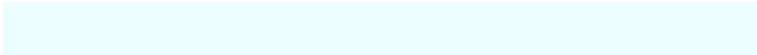
0.0000, 0.0000, 0.0000



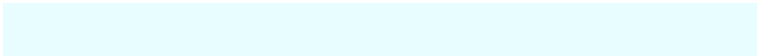
20.3446, 21.4041, 23.3091

Same Dimension

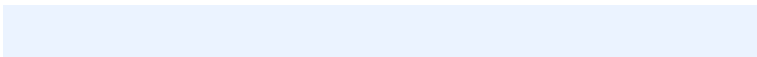
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4386, 95.1366, 108.3624



86.3791, 94.4525, 108.2862



84.4624, 89.1841, 107.3703



18.3909, 20.1535, 23.1707



24.2177, 33.3449, 54.5944



2.4009, 3.3325, 5.3300

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



88.6794, 87.7700, 105.2006



87.7943, 86.0748, 104.6743



89.3948, 93.5766, 91.9492



18.7100, 18.2673, 22.3559



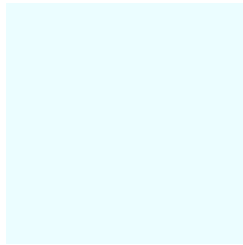
29.0122, 14.0942, 40.3101



2.8465, 1.3810, 4.0389

Previews

White Background



This preview shows how the XYZ color 87.4362, 95.1327, 108.3618 looks on a white background.

Color Contrast Check

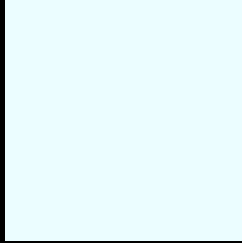
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 87.4362, 95.1327, 108.3618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.4362, 95.1327, 108.3618

Background



This preview shows how black text looks on a background with the XYZ color 87.4362, 95.1327, 108.3618.



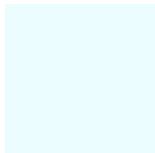
This preview shows how white text looks on a background with the XYZ color 87.4362, 95.1327,

108.518.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.4362, 95.1327, 108.3618



Protanopia

91.6461, 95.0457, 105.6109

Deuteranopia

91.9134, 94.7466, 104.7103

Tritanopia

90.2416, 95.1840, 108.2239

Trichromacy



Original Color

87.4362, 95.1327, 108.3618

Protanomaly

89.9213, 95.0559, 106.5368

Deuteranomaly

90.1578, 94.7361, 105.6295

Tritanomaly

89.1651, 95.0916, 108.2628

Monochromacy



Original Color

87.4362, 95.1327, 108.3618

Achromatopsia

89.2221, 93.8686, 102.2229

Achromatomaly

88.5603, 94.3909, 104.8184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.4362, 95.1327, 108.3618 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(235, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 253, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(235, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 87.4362, 95.1327, 108.3618 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 253, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(235, 253, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(235, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4362, 95.1327, 108.3618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 253, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(235,  
253, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor