

# Converting Colors

XYZ(93.2574, 99.3983,  
136.4243)

Have a look what the booklet for  
XYZ(93.2574, 99.3983, 136.4243)  
contains.

<b>XYZ(87.4143, 96.0636, 108.5427)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(87.4143, 96.0636,  
108.5427)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9FFFF
RGB	233, 255, 255
RGB Percent	91%, 100%, 100%
CMY	0.0863, 0.0000, 0.0000
CMYK	0.09, 0.00, 0.00, 0.00
HSL	180°, 100%, 96%
HSV	180°, 9%, 100%
XYZ	87.4143, 96.0636, 108.5427
YIQ	248.4220, -13.1120, -4.6640

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 244, 255
Decimal	15335423
CIE <sub>Lab</sub>	98.46, -7.11, -2.45
CIE <sub>LCh</sub>	98, 7.521, 199.018
Yxy	96.0636, 0.2993, 0.3290
Android (android.graphics.Color)	4293525503 (0xFFE9FFFF)
YUV	248.4220, 3.2430, -13.5251
Hunter-Lab	98.0120, -12.3217, 2.9482

# Details

The XYZ color **87.4143, 96.0636, 108.5427** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0878, 85.4224, 89.0960**, and the grayscale version is **89.5499, 94.2134, 102.5984**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5186, 53.8125, 61.2557** is the 20% darker color. If you saturate the color by 10%, you get **79.6827, 92.0779, 108.1808**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



- Red (91%)
- Green (100%)
- Blue (100%)



- Red (91%)
- Yellow (96%)
- Blue (100%)



- Cyan (9%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4143, 96.0636, 108.5427 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 87.4143, 96.0636, 108.5427 by changing the saturation by 10% instead.




 87.4143, 96.0636,  
108.5427

 87.4143, 96.0636,  
108.5427


507.9474,  
547.5644, 608.7268

 66.1673, 73.0205,  
82.7973

142.6382,  
155.7332, 175.0022

 48.6764, 53.9927,  
61.4833


177.3457,  
193.1285, 216.5532

 34.5763, 38.5959,  
44.1822


217.2709,  
236.0767, 264.2099

 23.5017, 26.4455,  
30.4755

262.7789,  
284.9621, 318.3908

 15.0871, 17.1572,  
19.9447

314.2352,  
340.1692, 379.5144

 8.9673, 10.3466,  
12.1712

372.0052,

 4.7768, 5.6294,

402.0824, 447.9992

6.7364

436.4541,  
471.0860, 524.2639

■ 2.1503, 2.6211,  
3.2219

■ 0.7163, 0.9373,  
1.2090

■ 87.4143, 96.0636,  
108.5427

■ 87.4143, 96.0636,  
108.5427

■ 79.6827, 92.0779,  
108.1808

95.0500, 100.0000,  
108.9000

■ 73.1019, 88.6854,  
107.8728

■ 67.6177, 85.8581,  
107.6162

■ 63.1704, 83.5655,  
107.4081

■ 59.6949, 81.7738,  
107.2454

■ 57.1185, 80.4456,  
107.1248

■ 55.3584, 79.5382,  
107.0425

■ 54.3168, 79.0012,  
106.9937

■ 53.8538, 78.7626,  
106.9721

# Harmonies

## Analogous

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



87.2672, 96.0636, 102.3352



87.4143, 96.0636, 108.5427



88.5943, 96.0636, 113.8875

# Triad

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



87.4143, 96.0636, 108.5427



94.4944, 96.0636, 112.6377



92.1034, 96.0636, 93.2904

# Complementary

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



87.4143, 96.0636, 108.5427



85.0878, 85.4224, 89.0960

# 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.



94.0716, 96.0636, 95.8259



87.4143, 96.0636, 108.5427



95.4666, 96.0636, 106.8917

# Square

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



87.4143, 96.0636, 108.5427



92.6731, 96.0636, 116.3157



95.3106, 96.0636, 100.7480



89.9515, 96.0636, 93.6929

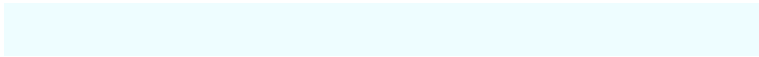


# Rectangle

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



87.4143, 96.0636, 108.5427



89.8185, 96.0636, 116.1653



95.3106, 96.0636, 100.7480



92.8090, 96.0636, 93.8233

# Sweetspot

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



87.4150, 96.0640, 108.5427



92.2913, 98.5779, 108.7709



84.0733, 94.7273, 90.9455



19.6004, 21.0204, 23.2742



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

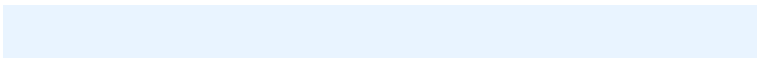
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4150, 96.0640, 108.5427



86.2829, 95.4804, 108.4897



84.0060, 89.2461, 107.4064



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

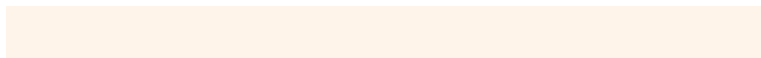
The Inverse Universe completely reimagines the original color for something new.



88.4295, 86.7591, 106.6932



87.4479, 84.7957, 106.3660



88.2993, 91.8454, 90.1665



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 87.4143, 96.0636, 108.5427 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

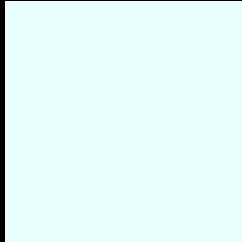
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.4143, 96.0636, 108.5427 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 87.4143, 96.0636, 108.5427

## Background



This preview shows how black text looks on a background with the XYZ color 87.4143, 96.0636, 108.5427.



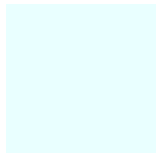
This preview shows how white text looks on a background with the XYZ color 87.4143, 96.0636,



# 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

87.4143, 96.0636, 108.5427

### Protanopia

92.3194, 95.8505, 105.7307

### Deuteranopia

92.6864, 96.0396, 105.7479

## **Tritanopia**

90.9050, 95.9885, 108.3442

# Trichromacy



**Original Color**

87.4143, 96.0636, 108.5427

**Protanomaly**

90.2328, 95.6790, 106.6406

**Deuteranomaly**

90.5846, 95.8604, 106.6571

**Tritanomaly**

89.4784, 95.7181, 108.3672

# Monochromacy



**Original Color**

87.4143, 96.0636, 108.5427

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

88.8719, 95.0141, 104.9223

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.4143, 96.0636, 108.5427 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(233, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 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(233, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 87.4143, 96.0636, 108.5427 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(233, 255, 255) }
```



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

```
.border{ border-color:rgb(233, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.4143, 96.0636, 108.5427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 255) }
```

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

```
.background{ background-color: rgb(233,  
255, 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