

Converting Colors

XYZ(87.7869, 92.2076,
107.7787)

Have a look what the booklet for
XYZ(87.7869, 92.2076, 107.7787)
contains.

XYZ(87.6237, 92.0088, 107.7489)	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(87.6237, 92.0088,
107.7489)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F6FF
RGB	242, 246, 255
RGB Percent	95%, 96%, 100%
CMY	0.0510, 0.0353, 0.0000
CMYK	0.05, 0.04, 0.00, 0.00
HSL	222°, 100%, 97%
HSV	222°, 5%, 100%
XYZ	87.6237, 92.0088, 107.7489
YIQ	245.8300, -5.2730, 1.9510

Conversions

Conversions Part 2

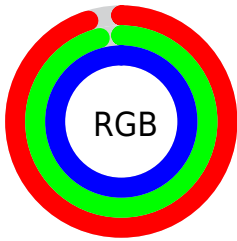
Format	Color
R _Y B	242, 245, 255
Decimal	15922943
CIE Lab	96.82, 0.32, -4.78
CIE LCh	97, 4.790, 273.816
Yxy	92.0088, 0.3049, 0.3202
Android (android.graphics.Color)	4294113023 (0xFFFF2F6FF)
YUV	245.8300, 4.5208, -3.3589
Hunter-Lab	95.9212, -4.8030, 0.5440

Details

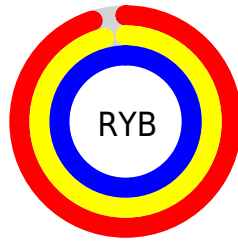
The XYZ color **87.6237, 92.0088, 107.7489** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.7632, 96.6628, 97.8272**, and the grayscale version is **87.4299, 91.9830, 100.1695**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8562, 51.3432, 60.7613** is the 20% darker color. If you saturate the color by 10%, you get **74.3601, 77.5810, 105.6632**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

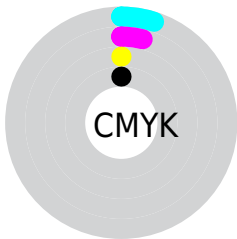
Distribution



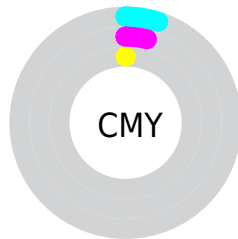
- Red (95%)
- Green (96%)
- Blue (100%)



- Red (95%)
- Yellow (96%)
- Blue (100%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.6237, 92.0088, 107.7489 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 87.6237, 92.0088, 107.7489 by changing the saturation by 10% instead.

87.6237, 92.0088,
107.7489

87.6237, 92.0088,
107.7489

508.6240,
534.5440, 606.2184

66.3412, 69.6479,
82.1347

142.9284,
150.1256, 173.9103

48.8182, 51.2396,
60.9401

177.6813,
186.6503, 215.2946

34.6892, 36.3993,
43.7466

217.6550,
228.6651, 262.7726

23.5890, 24.7427,
30.1356

263.2150,
276.5544, 316.7630

15.1521, 15.8855,
19.6886

314.7265,
330.7025, 377.6842

9.0132, 9.4432,
11.9871

372.5549,

4.8070, 5.0314,

391.4939, 445.9549

6.6124

437.0657,
459.3129, 521.9934

■ 2.1680, 2.2657,
3.1462

■ 0.7258, 0.7554,
1.1698

■ 87.6237, 92.0088,
107.7489

■ 87.6237, 92.0088,
107.7489

■ 74.3601, 77.5810,
105.6632

95.0500, 100.0000,
108.9000

■ 62.7600, 64.7440,
103.7968

■ 52.7572, 53.4444,
102.1429

■ 44.2785, 43.6215,
100.6938

■ 37.2444, 35.2101,
99.4410

■ 31.5679, 28.1397,
98.3754

■ 27.1520, 22.3332,
97.4874

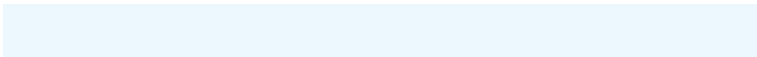
■ 23.8852, 17.7038,
96.7660

■ 21.6332, 14.1507,
96.1989

Harmonies

Analogous

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



86.3163, 92.0088, 106.9708



87.6237, 92.0088, 107.7489



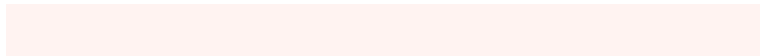
88.8976, 92.0088, 106.4571

Triad

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



87.6237, 92.0088, 107.7489



89.6161, 92.0088, 96.1195



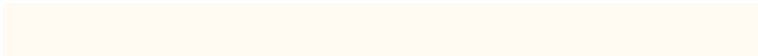
85.1532, 92.0088, 96.9518

Complementary

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



87.6237, 92.0088, 107.7489



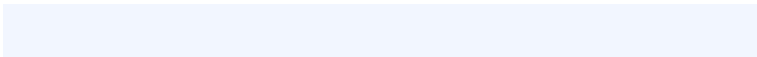
91.7632, 96.6628, 97.8272

Split Complementary

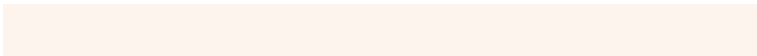
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.0214, 92.0088, 94.1584



87.6237, 92.0088, 107.7489



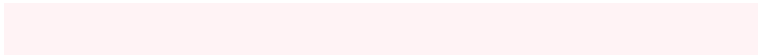
88.5968, 92.0088, 93.6866

Square

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



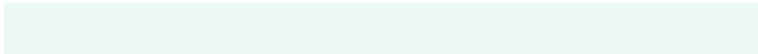
87.6237, 92.0088, 107.7489



90.0553, 92.0088, 99.6902



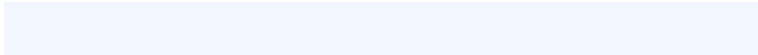
87.2797, 92.0088, 92.9778



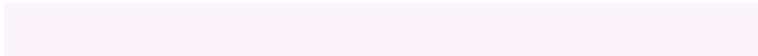
84.8986, 92.0088, 100.6753

Rectangle

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



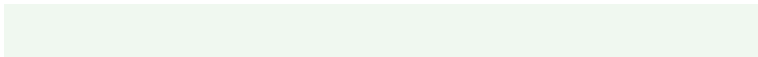
87.6237, 92.0088, 107.7489



89.5539, 92.0088, 104.6148



87.2797, 92.0088, 92.9778



85.3825, 92.0088, 95.8761

Sweetspot

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



87.6261, 92.0126, 107.7496



92.0830, 96.8145, 108.4415



89.7729, 97.3553, 105.2308



19.7407, 20.7557, 23.2158



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.



87.6261, 92.0126, 107.7496



86.3585, 90.6430, 107.5520



87.2446, 90.0274, 107.3865



18.2898, 19.1910, 22.9902



10.9910, 6.8915, 50.1855



1.1621, 0.8549, 4.9170

Inverse Universe

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



89.6281, 91.4195, 100.1152



88.7038, 89.9605, 98.6060



92.1560, 98.7417, 98.2078



18.8445, 19.0317, 20.8739



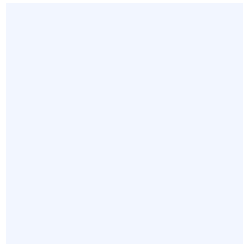
22.3359, 11.4237, 5.1535



2.2212, 1.1309, 0.7462

Previews

White Background



This preview shows how the XYZ color 87.6237, 92.0088, 107.7489 looks on a white background.

Color Contrast Check

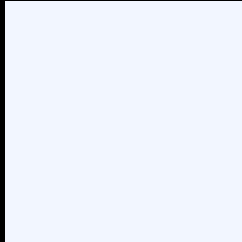
Large Text (above 18pt) WCAG AA × Fail

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 87.6237, 92.0088, 107.7489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

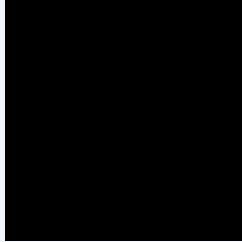
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

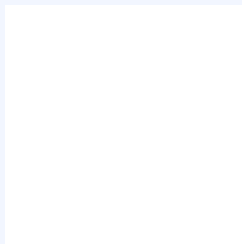
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.6237, 92.0088, 107.7489

Background



This preview shows how black text looks on a background with the XYZ color 87.6237, 92.0088, 107.7489.

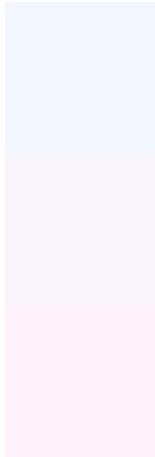


This preview shows how white text looks on a background with the XYZ color 87.6237, 92.0088,

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

87.6237, 92.0088, 107.7489

Protanopia

88.9515, 91.8136, 106.7995

Deuteranopia

90.4047, 91.7293, 104.2075

Tritanopia

88.3586, 91.9373, 107.6964

Trichromacy



Original Color

87.6237, 92.0088, 107.7489

Protanomaly

88.5478, 92.0534, 106.8670

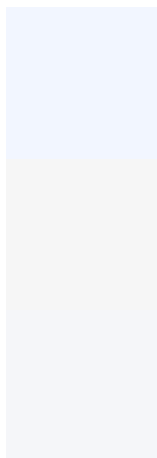
Deuteranomaly

89.0456, 91.4535, 105.0545

Tritanomaly

88.0106, 91.7579, 107.6801

Monochromacy



Original Color

87.6237, 92.0088, 107.7489

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.7108, 92.1636, 102.7890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6237, 92.0088, 107.7489 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(242, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 246, 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(242, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 87.6237, 92.0088, 107.7489 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(242, 246, 255) }
```


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

```
.border{ border-color:rgb(242, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6237, 92.0088, 107.7489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 246, 255) }
```

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

```
.background{ background-color: rgb(242,  
246, 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