

Converting Colors

XYZ(34.4076, 27.0533, 98.0161)

Have a look what the booklet for
XYZ(34.4076, 27.0533, 98.0161)
contains.

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Color

**XYZ(34.5216, 27.1704,
98.0327)**

Conversions

Conversions Part 1

Format	Color
Hex	7F80FF
RGB	127, 128, 255
RGB Percent	50%, 50%, 100%
CMY	0.5019, 0.4980, 0.0000
CMYK	0.50, 0.50, 0.00, 0.00
HSL	240°, 100%, 75%
HSV	240°, 50%, 100%
XYZ	34.5216, 27.1704, 98.0327
YIQ	142.1790, -41.3630, 39.2850

Conversions

Conversions Part 2

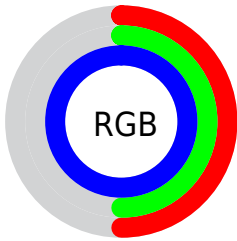
Format	Color
RYB	127, 128, 255
Decimal	8356095
CIELab	59.13, 32.90, -63.59
CIELCh	59, 71.592, 297.357
Yxy	27.1704, 0.2161, 0.1701
Android (android.graphics.Color)	4286546175 (0xFF7F80FF)
YUV	142.1790, 55.6208, -13.3120
Hunter-Lab	52.1252, 26.9982, -75.0199

Details

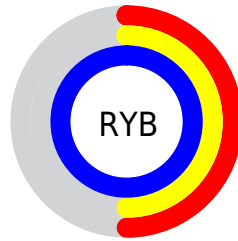
The XYZ color **34.5216, 27.1704, 98.0327** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **80.5144, 93.6789, 33.9190**, and the grayscale version is **25.5816, 26.9138, 29.3091**.

A 20% lighter version of the original color is **54.8236, 50.7069, 101.5056**, and **14.9884, 10.7132, 54.1012** is the 20% darker color. If you saturate the color by 10%, you get **28.2941, 19.6569, 96.9106**, and if you desaturate by 10%, it is **42.5347, 36.8262, 99.4741**.

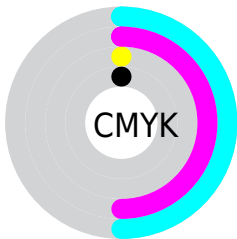
Distribution



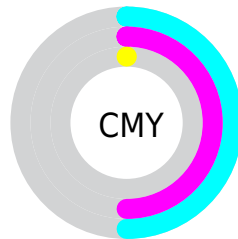
- Red (50%)
- Green (50%)
- Blue (100%)



- Red (50%)
- Yellow (50%)
- Blue (100%)



- Cyan (50%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5216, 27.1704, 98.0327 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 34.5216, 27.1704, 98.0327 by changing the saturation by 10% instead.

■ 34.5216, 27.1704,
98.0327

■ 34.5216, 27.1704,
98.0327

313.9968,
288.4812, 575.0594

■ 23.4594, 17.7012,
74.0509

■ 66.0829, 55.1572,
160.4792

■ 15.0556, 10.7357,
54.3386

■ 87.3127, 74.4436,
199.7811

■ 8.9450, 5.8894,
38.4775

■ 112.6624, 97.7712,
245.0266

■ 4.7622, 2.7779,
26.0488

142.4973,
125.5244, 296.6344

■ 2.1417, 1.0169,
16.6340

177.1829,
158.0877, 355.0231

■ 0.7117, 0.0000,
9.8147

217.0844,

■ 0.0000, 0.0000,

195.8453, 420.6111

5.1723

262.5672,
239.1817, 493.8171

■ 0.0000, 0.0000,
2.2882

■ 0.0000, 0.0000,
0.7246

■ 34.5216, 27.1704,
98.0327

■ 34.5216, 27.1704,
98.0327

■ 28.2941, 19.6569,
96.9106

■ 42.5347, 36.8262,
99.4741

■ 23.7128, 14.1204,
96.0834

■ 52.4525, 48.7677,
101.2563

■ 20.6228, 10.3757,
95.5235

■ 64.3873, 63.1290,
103.3993

■ 18.8383, 8.2012,
95.1979

■ 78.4420, 80.0329,
105.9213

■ 18.0715, 7.2631,
95.0572

94.7123, 99.5941,
108.8395

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



25.0428, 27.1704, 110.6122



34.5216, 27.1704, 98.0327



43.0976, 27.1704, 64.7140

Triad

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



34.5216, 27.1704, 98.0327



36.2086, 27.1704, 4.5207



12.2159, 27.1704, 27.3788

Complementary

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



34.5216, 27.1704, 98.0327



80.5144, 93.6789, 33.9190

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.



13.9209, 27.1704, 10.2294



34.5216, 27.1704, 98.0327



26.6227, 27.1704, 2.6585

Square

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



34.5216, 27.1704, 98.0327



44.2186, 27.1704, 12.2837



18.7268, 27.1704, 3.9044



13.4042, 27.1704, 58.3331

Rectangle

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



34.5216, 27.1704, 98.0327



46.4005, 27.1704, 41.6716



18.7268, 27.1704, 3.9044



12.4585, 27.1704, 20.0939

Sweetspot

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



34.5227, 27.1712, 98.0328



71.4161, 71.5836, 104.6607



62.2217, 83.1158, 105.5808



14.6604, 14.5694, 22.2894



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.



34.5227, 27.1712, 98.0328



28.3987, 19.7831, 96.9295



46.5941, 33.2025, 98.5607



17.0144, 17.4004, 22.7118



9.4477, 3.8049, 49.6711



0.9237, 0.3781, 4.8376

Inverse Universe

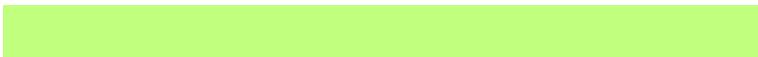
The Inverse Universe completely reimagines the original color for something new.



52.7265, 37.9989, 24.9781



48.4491, 31.7458, 16.4560



61.6182, 84.4078, 33.1255



18.0152, 17.9894, 18.6970



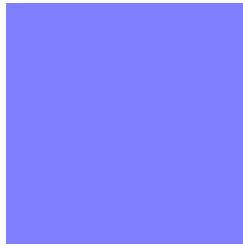
21.5569, 11.1121, 1.0514



2.1008, 1.0827, 0.1125

Previews

White Background



This preview shows how the XYZ color 34.5216, 27.1704, 98.0327 looks on a white background.

Color Contrast Check

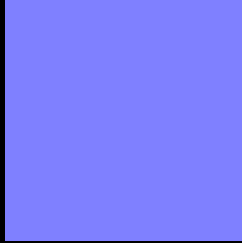
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5216, 27.1704, 98.0327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

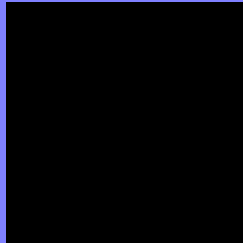
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.5216, 27.1704, 98.0327

Background



This preview shows how black text looks on a background with the XYZ color 34.5216, 27.1704, 98.0327.



This preview shows how white text looks on a background with the XYZ color 34.5216, 27.1704,

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

34.5216, 27.1704, 98.0327

Protanopia

30.8848, 27.3283, 98.2548

Deuteranopia

28.3821, 27.4251, 95.0645



Tritanopia

22.4649, 27.0180, 38.2134

Trichromacy



Original Color

34.5216, 27.1704, 98.0327

Protanomaly

31.8306, 26.9795, 98.1377

Deuteranomaly

29.4832, 26.6611, 95.6876

Tritanomaly

25.9435, 26.5827, 55.9882

Monochromacy



Original Color

34.5216, 27.1704, 98.0327

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.8094, 26.6286, 48.4739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5216, 27.1704, 98.0327 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(127, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 128, 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(127, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 128, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.5216, 27.1704, 98.0327 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(127, 128, 255) }
```


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

```
.border{ border-color:rgb(127, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 128,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5216, 27.1704, 98.0327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 128, 255) }
```

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

```
.background{ background-color: rgb(127,  
128, 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](#).

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