

Converting Colors

XYZ(29.6701, 24.8825, 97.0050)

Have a look what the booklet for
XYZ(29.6701, 24.8825, 97.0050)
contains.

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Color

**XYZ(29.6701, 24.8825,
97.0050)**

Conversions

Conversions Part 1

Format	Color
Hex	5781FE
RGB	87, 129, 254
RGB Percent	34%, 51%, 100%
CMY	0.6588, 0.4941, 0.0039
CMYK	0.66, 0.49, 0.00, 0.00
HSL	225°, 99%, 67%
HSV	225°, 66%, 100%
XYZ	29.6701, 24.8825, 97.0050
YIQ	130.6920, -65.1570, 29.9710

Conversions

Conversions Part 2

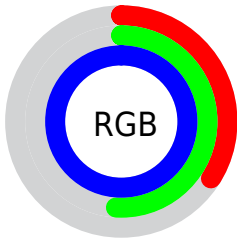
Format	Color
R _Y B	87, 121, 254
Decimal	5734910
CIE Lab	56.96, 24.69, -66.65
CIE LCh	57, 71.079, 290.329
Yxy	24.8825, 0.1958, 0.1642
Android (android.graphics.Color)	4283924990 (0xFF5781FE)
YUV	130.6920, 60.7908, -38.3179
Hunter-Lab	49.8824, 18.8779, -80.3821

Details

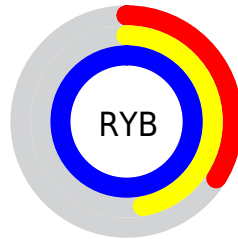
The XYZ color **29.6701, 24.8825, 97.0050** is a light color, and the websafe version is hex **3366CC**. The color can be described as light muted azure. A complement of this color would be **66.1398, 68.8508, 18.8224**, and the grayscale version is **21.2721, 22.3799, 24.3717**.

A 20% lighter version of the original color is **47.5228, 46.9431, 101.1640**, and **12.9062, 9.8704, 53.4495** is the 20% darker color. If you saturate the color by 10%, you get **25.4263, 19.3166, 96.1549**, and if you desaturate by 10%, it is **35.2159, 31.8116, 98.0507**.

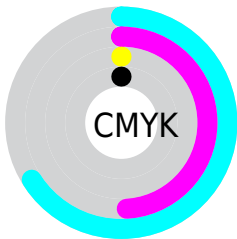
Distribution



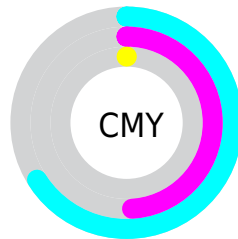
- Red (34%)
- Green (51%)
- Blue (100%)



- Red (34%)
- Yellow (47%)
- Blue (100%)



- Cyan (66%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6701, 24.8825, 97.0050 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 29.6701, 24.8825, 97.0050 by changing the saturation by 10% instead.

■ 29.6701, 24.8825,
97.0050

■ 29.6701, 24.8825,
97.0050

292.3012,
277.2523, 571.7115

■ 19.7351, 15.9895,
73.1988

■ 58.5303, 51.4665,
159.0510

■ 12.3098, 9.5167,
53.6457

■ 78.1862, 69.9264,
198.1279

■ 7.0287, 5.0797,
37.9272

■ 101.8132, 92.3440,
243.1321

■ 3.5266, 2.2941,
25.6248

■ 129.7766,
119.1038, 294.4821

■ 1.4380, 0.7706,
16.3199

162.4417,
150.5901, 352.5966

■ 0.2830, 0.0000,
9.5940

200.1740,

■ 0.0000, 0.0000,

187.1874, 417.8939

5.0286

243.3387,
229.2800, 490.7927

■ 0.0000, 0.0000,
2.2050

■ 0.0000, 0.0000,
0.6772

■ 29.6701, 24.8825,
97.0050

■ 29.6701, 24.8825,
97.0050

■ 25.4263, 19.3166,
96.1549

■ 35.2159, 31.8116,
98.0507

■ 22.3633, 15.0125,
95.4856

■ 42.1629, 40.1901,
99.3018

■ 20.3399, 11.8555,
94.9829

■ 50.6040, 50.0991,
100.7695

■ 19.7156, 10.8080,
94.8136

■ 60.6230, 61.6127,
102.4638

■ 72.2972, 74.8001,
104.3940

■ 85.6988, 89.7263,
106.5687

94.8895, 99.9358,
108.0549

Harmonies

Analogous

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



21.0573, 24.8825, 102.2651



29.6701, 24.8825, 97.0050



38.2652, 24.8825, 68.2568

Triad

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



29.6701, 24.8825, 97.0050



35.4349, 24.8825, 4.8885



11.1026, 24.8825, 20.0872

Complementary

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



29.6701, 24.8825, 97.0050



66.1398, 68.8508, 18.8224

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.



13.3297, 24.8825, 7.0788



29.6701, 24.8825, 97.0050



26.4474, 24.8825, 2.3553

Square

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



29.6701, 24.8825, 97.0050



42.0991, 24.8825, 14.0647



18.5049, 24.8825, 2.8157



11.5748, 24.8825, 46.3851

Rectangle

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



29.6701, 24.8825, 97.0050



42.1918, 24.8825, 45.6785



18.5049, 24.8825, 2.8157



11.5357, 24.8825, 14.3877

Sweetspot

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



29.6712, 24.8832, 97.0057



67.7195, 69.5926, 104.4713



50.9403, 77.5375, 72.9084



13.7929, 14.1020, 22.2449



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.



29.6712, 24.8832, 97.0057



24.5184, 17.9341, 96.7771



29.8988, 18.4073, 95.7437



17.3741, 18.1198, 22.8317



10.4922, 5.8940, 50.0192



1.1041, 0.7388, 4.8977

Inverse Universe

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



48.2448, 29.4739, 23.9154



45.0475, 24.8603, 15.5760



65.1977, 86.0249, 22.1870



18.1967, 18.0620, 19.6531



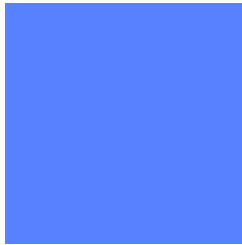
22.0842, 11.3230, 3.8278



2.1919, 1.1191, 0.5919

Previews

White Background



This preview shows how the XYZ color 29.6701, 24.8825, 97.0050 looks on a white background.

Color Contrast Check

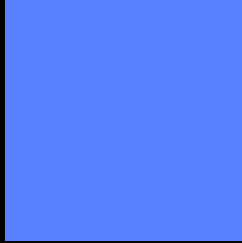
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6701, 24.8825, 97.0050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

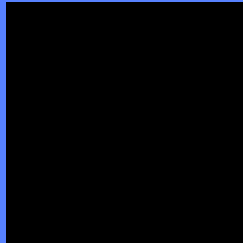
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6701, 24.8825, 97.0050

Background



This preview shows how black text looks on a background with the XYZ color 29.6701, 24.8825, 97.0050.



This preview shows how white text looks on a background with the XYZ color 29.6701, 24.8825,

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

29.6701, 24.8825, 97.0050

Protanopia

28.8271, 25.0246, 97.9186

Deuteranopia

25.5618, 24.9969, 89.0656



Tritanopia

17.9660, 24.9263, 38.5147

Trichromacy



Original Color

29.6701, 24.8825, 97.0050

Protanomaly

29.1468, 24.9891, 97.8949

Deuteranomaly

26.2029, 24.4123, 92.1379

Tritanomaly

20.8250, 24.1659, 55.7914

Monochromacy



Original Color

29.6701, 24.8825, 97.0050

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.8893, 22.7447, 44.2581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6701, 24.8825, 97.0050 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(87, 129, 254)` looks like.

```
.text, #text, p{  
    color:rgb(87, 129, 254)  
}
```

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(87, 129, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 129, 254) }
```

Border

The CSS property to change the border of an element to XYZ 29.6701, 24.8825, 97.0050 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(87, 129, 254) }
```


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

```
.border{ border-color:rgb(87, 129, 254) }
```

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

Here you see how a box with a 4 pixel rgb(87, 129, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 129, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 129, 254);  
box-shadow:4px 4px 4px 4px rgb(87, 129,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6701, 24.8825, 97.0050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 129, 254) }
```

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

```
.background{ background-color: rgb(87, 129,  
254) }
```

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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