

Converting Colors

XYZ(31.0106, 25.0069, 97.8001)

Have a look what the booklet for
XYZ(31.0106, 25.0069, 97.8001)
contains.

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Color

**XYZ(30.9903, 24.9665,
97.7934)**

Conversions

Conversions Part 1

Format	Color
Hex	667EFF
RGB	102, 126, 255
RGB Percent	40%, 49%, 100%
CMY	0.6000, 0.5059, 0.0000
CMYK	0.60, 0.51, 0.00, 0.00
HSL	231°, 100%, 70%
HSV	231°, 60%, 100%
XYZ	30.9903, 24.9665, 97.7934
YIQ	133.5300, -55.7130, 35.0310

Conversions

Conversions Part 2

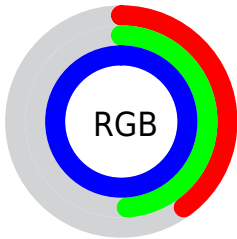
Format	Color
RYB	102, 123, 255
Decimal	6717183
CIELab	57.04, 29.30, -67.03
CIELCh	57, 73.153, 293.610
Yxy	24.9665, 0.2016, 0.1624
Android (android.graphics.Color)	4284907263 (0xFF667EFF)
YUV	133.5300, 59.8847, -27.6518
Hunter-Lab	49.9665, 23.2682, -81.0646

Details

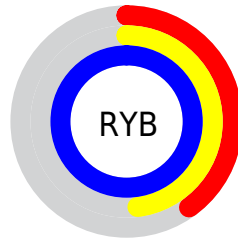
The XYZ color **30.9903, 24.9665, 97.7934** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **72.2163, 79.3748, 24.0870**, and the grayscale version is **22.2914, 23.4523, 25.5396**.

A 20% lighter version of the original color is **49.2802, 46.9533, 101.0733**, and **13.0336, 9.5992, 53.9892** is the 20% darker color. If you saturate the color by 10%, you get **26.0718, 18.7790, 96.8583**, and if you desaturate by 10%, it is **37.3901, 32.7950, 98.9671**.

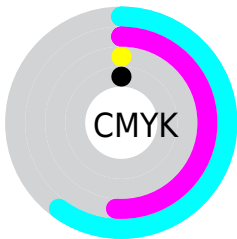
Distribution



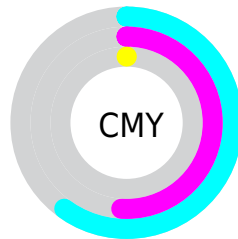
- Red (40%)
- Green (49%)
- Blue (100%)



- Red (40%)
- Yellow (48%)
- Blue (100%)



- Cyan (60%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9903, 24.9665, 97.7934 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 30.9903, 24.9665, 97.7934 by changing the saturation by 10% instead.

■ 30.9903, 24.9665,
97.7934

■ 30.9903, 24.9665,
97.7934

298.3213,
277.6711, 574.2808

■ 20.7433, 16.0521,
73.8524

■ 60.6007, 51.6029,
160.1468

■ 13.0478, 9.5610,
54.1772

■ 80.6949, 70.0936,
199.3963

■ 7.5387, 5.1089,
38.3492

■ 104.8020, 92.5453,
244.5858

■ 3.8505, 2.3113,
25.9499

133.2876,
119.3423, 296.1337

■ 1.6179, 0.7797,
16.5607

166.5170,
150.8689, 354.4586

■ 0.4041, 0.0000,
9.7632

204.8555,

■ 0.0000, 0.0000,

187.5097, 419.9791

5.1387

248.6685,
229.6489, 493.1136

■ 0.0000, 0.0000,
2.2687

■ 0.0000, 0.0000,
0.7136

■ 30.9903, 24.9665,
97.7934

■ 30.9903, 24.9665,
97.7934

■ 26.0718, 18.7790,
96.8583

■ 37.3901, 32.7950,
98.9671

■ 22.5088, 14.1104,
96.1450

■ 45.3768, 42.3700,
100.3944

■ 20.1590, 10.8241,
95.6345

■ 55.0495, 53.7906,
102.0889

■ 18.8088, 8.7375,
95.3029

■ 66.4985, 67.1477,
104.0637

■ 18.8085, 8.7370,
95.3028

■ 79.8075, 82.5260,
106.3306

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.



21.9361, 24.9665, 106.6679



30.9903, 24.9665, 97.7934



39.6911, 24.9665, 66.0874

Triad

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



30.9903, 24.9665, 97.7934



34.9583, 24.9665, 4.1023



10.7952, 24.9665, 22.2454

Complementary

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



30.9903, 24.9665, 97.7934



72.2163, 79.3748, 24.0870

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.



12.7497, 24.9665, 7.6523



30.9903, 24.9665, 97.7934



25.6189, 24.9665, 2.0536

Square

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



30.9903, 24.9665, 97.7934



42.3421, 24.9665, 12.2831



17.7025, 24.9665, 2.7820



11.5713, 24.9665, 50.9134

Rectangle

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



30.9903, 24.9665, 97.7934



43.3988, 24.9665, 42.8623



17.7025, 24.9665, 2.7820



11.1356, 24.9665, 15.8883

Sweetspot

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



30.9913, 24.9672, 97.7935



69.0052, 70.0547, 104.4927



55.4533, 80.0304, 87.0209



13.9935, 14.0937, 22.2328



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.



30.9913, 24.9672, 97.7935



25.2538, 17.7263, 96.6982



35.9399, 23.4970, 97.2489



17.2330, 17.8376, 22.7847



9.8956, 4.7008, 49.8204



1.0268, 0.5844, 4.8719

Inverse Universe

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



49.7581, 32.2706, 23.3453



45.8284, 26.7414, 14.8520



63.0612, 85.3172, 25.7165



18.1255, 18.0335, 19.2780



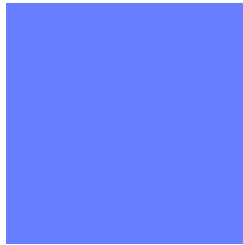
21.7831, 11.2025, 2.2421



2.1529, 1.1035, 0.3866

Previews

White Background



This preview shows how the XYZ color 30.9903, 24.9665, 97.7934 looks on a white background.

Color Contrast Check

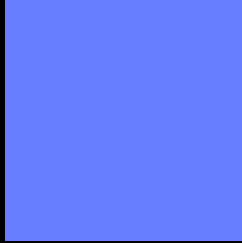
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.9903, 24.9665, 97.7934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

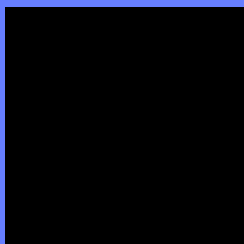
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.9903, 24.9665, 97.7934

Background



This preview shows how black text looks on a background with the XYZ color 30.9903, 24.9665, 97.7934.



This preview shows how white text looks on a background with the XYZ color 30.9903, 24.9665,

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

30.9903, 24.9665, 97.7934

Protanopia

28.8271, 25.0246, 97.9186

Deuteranopia

25.7140, 25.0578, 89.8676



Tritanopia

18.9841, 24.9979, 37.5427

Trichromacy



Original Color

30.9903, 24.9665, 97.7934

Protanomaly

29.5123, 24.9791, 97.8737

Deuteranomaly

26.3869, 24.2831, 92.9189

Tritanomaly

22.2769, 24.4857, 55.1819

Monochromacy



Original Color

30.9903, 24.9665, 97.7934

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.1782, 23.5845, 45.3974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9903, 24.9665, 97.7934 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(102, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 126, 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(102, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 126, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.9903, 24.9665, 97.7934 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(102, 126, 255) }
```


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

```
.border{ border-color:rgb(102, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 126,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9903, 24.9665, 97.7934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 126, 255) }
```

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

```
.background{ background-color: rgb(102,  
126, 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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