

Converting Colors

XYZ(31.5502, 26.0862, 97.9800)

Have a look what the booklet for
XYZ(31.5502, 26.0862, 97.9800)
contains.

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Color

**XYZ(31.5121, 26.0100,
97.9673)**

Conversions

Conversions Part 1

Format	Color
Hex	6682FF
RGB	102, 130, 255
RGB Percent	40%, 51%, 100%
CMY	0.6000, 0.4902, 0.0000
CMYK	0.60, 0.49, 0.00, 0.00
HSL	229°, 100%, 70%
HSV	229°, 60%, 100%
XYZ	31.5121, 26.0100, 97.9673
YIQ	135.8780, -56.8130, 32.9390

Conversions

Conversions Part 2

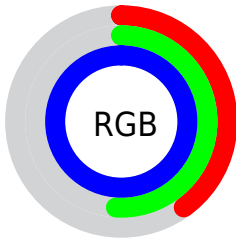
Format	Color
RYB	102, 126, 255
Decimal	6718207
CIELab	58.05, 26.89, -65.41
CIELCh	58, 70.726, 292.348
Yxy	26.0100, 0.2027, 0.1673
Android (android.graphics.Color)	4284908287 (0xFF6682FF)
YUV	135.8780, 58.7271, -29.7110
Hunter-Lab	51.0000, 21.0423, -78.1918

Details

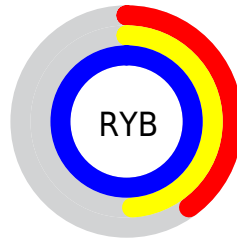
The XYZ color **31.5121, 26.0100, 97.9673** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **71.1097, 77.1616, 23.7182**, and the grayscale version is **23.1599, 24.3661, 26.5346**.

A 20% lighter version of the original color is **50.2933, 48.9795, 101.4110**, and **13.2699, 10.0447, 54.0627** is the 20% darker color. If you saturate the color by 10%, you get **26.5574, 19.7503, 97.0202**, and if you desaturate by 10%, it is **37.9184, 33.8513, 99.1432**.

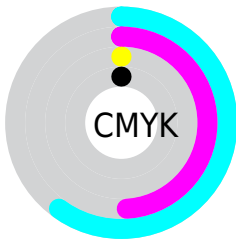
Distribution



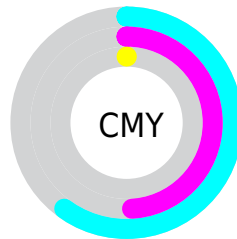
- Red (40%)
- Green (51%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5121, 26.0100, 97.9673 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 31.5121, 26.0100, 97.9673 by changing the saturation by 10% instead.

■ 31.5121, 26.0100,
97.9673

■ 31.5121, 26.0100,
97.9673

300.6756,
282.8312, 574.8467

■ 21.1428, 16.8311,
73.9966

■ 61.4158, 53.2911,
160.3884

■ 13.3415, 10.1142,
54.2945

■ 81.6810, 72.1621,
199.6759

■ 7.7428, 5.4747,
38.4424

■ 105.9755, 95.0325,
244.9061

■ 3.9812, 2.5284,
26.0217

134.6647,
122.2869, 296.4976

■ 1.6915, 0.8908,
16.6140

168.1139,
154.3096, 354.8689

■ 0.4509, 0.0000,
9.8006

206.6886,

■ 0.0000, 0.0000,

191.4849, 420.4384

5.1631

250.7540,
234.1973, 493.6249

■ 0.0000, 0.0000,
2.2829

■ 0.0000, 0.0000,
0.7216

■ 31.5121, 26.0100,
97.9673

■ 31.5121, 26.0100,
97.9673

■ 26.5574, 19.7503,
97.0202

■ 37.9184, 33.8513,
99.1432

■ 22.9327, 14.9582,
96.2863

■ 45.8781, 43.3725,
100.5614

■ 20.5004, 11.5070,
95.7483

■ 55.4873, 54.6661,
102.2348

■ 19.0532, 9.2263,
95.3844

■ 66.8334, 67.8172,
104.1753

■ 19.0529, 9.2257,
95.3843

■ 79.9974, 82.9055,
106.3938

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.



22.5974, 26.0100, 105.2692



31.5121, 26.0100, 97.9673



40.1501, 26.0100, 67.8995

Triad

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



31.5121, 26.0100, 97.9673



36.1813, 26.0100, 5.0105



11.7488, 26.0100, 22.5043

Complementary

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



31.5121, 26.0100, 97.9673



71.1097, 77.1616, 23.7182

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.



13.8592, 26.0100, 8.2011



31.5121, 26.0100, 97.9673



26.9752, 26.0100, 2.5970

Square

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



31.5121, 26.0100, 97.9673



43.2501, 26.0100, 13.9288



18.9844, 26.0100, 3.2836



12.4240, 26.0100, 50.2519

Rectangle

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



31.5121, 26.0100, 97.9673



43.9223, 26.0100, 45.1245



18.9844, 26.0100, 3.2836



12.1351, 26.0100, 16.3115

Sweetspot

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



31.5132, 26.0108, 97.9674



69.3143, 70.6729, 104.5957



55.0988, 79.8886, 85.1540



14.0675, 14.2417, 22.2574



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.



31.5132, 26.0108, 97.9674



25.7289, 18.6765, 96.8566



35.4638, 23.2517, 97.2266



17.2718, 17.9152, 22.7976



10.0323, 4.9743, 49.8659



1.0458, 0.6222, 4.8783

Inverse Universe

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



50.0215, 32.3761, 24.7322



46.0682, 26.8373, 16.1148



63.7660, 85.6805, 25.7496



18.1451, 18.0413, 19.3812



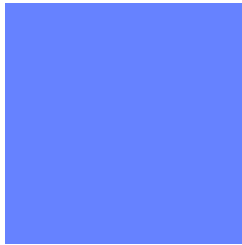
21.8521, 11.2301, 2.6055



2.1625, 1.1074, 0.4369

Previews

White Background



This preview shows how the XYZ color 31.5121, 26.0100, 97.9673 looks on a white background.

Color Contrast Check

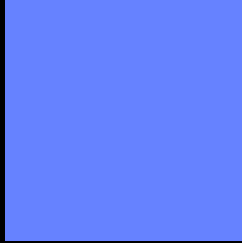
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5121, 26.0100, 97.9673 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 31.5121, 26.0100, 97.9673

Background



This preview shows how black text looks on a background with the XYZ color 31.5121, 26.0100, 97.9673.



This preview shows how white text looks on a background with the XYZ color 31.5121, 26.0100,

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

31.5121, 26.0100, 97.9673

Protanopia

29.8559, 26.1676, 98.0850

Deuteranopia

26.7802, 25.9519, 94.0402



Tritanopia

19.8535, 26.1289, 39.1190

Trichromacy



Original Color

31.5121, 26.0100, 97.9673

Protanomaly

30.3680, 26.0213, 98.0298

Deuteranomaly

27.2793, 25.3129, 95.5436

Tritanomaly

23.0318, 25.5142, 56.5342

Monochromacy



Original Color

31.5121, 26.0100, 97.9673

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.9740, 24.5900, 46.0779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5121, 26.0100, 97.9673 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, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 130, 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, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.5121, 26.0100, 97.9673 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, 130, 255) }
```


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

```
.border{ border-color:rgb(102, 130, 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, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5121, 26.0100, 97.9673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 130, 255) }
```

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

```
.background{ background-color: rgb(102,  
130, 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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