

Converting Colors

XYZ(31.8177, 26.4497, 97.9167)

Have a look what the booklet for
XYZ(31.8177, 26.4497, 97.9167)
contains.

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Color

**XYZ(31.7598, 26.3362,
98.0172)**

Conversions

Conversions Part 1

Format	Color
Hex	6783FF
RGB	103, 131, 255
RGB Percent	40%, 51%, 100%
CMY	0.5960, 0.4863, 0.0000
CMYK	0.60, 0.49, 0.00, 0.00
HSL	229°, 100%, 70%
HSV	229°, 60%, 100%
XYZ	31.7598, 26.3362, 98.0172
YIQ	136.7640, -56.4920, 32.6280

Conversions

Conversions Part 2

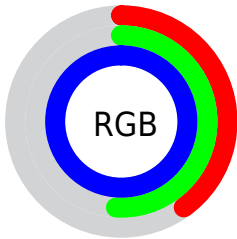
Format	Color
RYB	103, 127, 255
Decimal	6783999
CIELab	58.35, 26.47, -64.91
CIElCh	58, 70.103, 292.183
Yxy	26.3362, 0.2034, 0.1687
Android (android.graphics.Color)	4284974079 (0xFF6783FF)
YUV	136.7640, 58.2903, -29.6110
Hunter-Lab	51.3188, 20.6608, -77.3187

Details

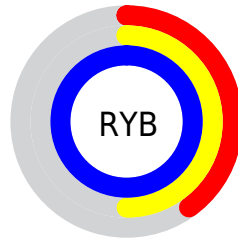
The XYZ color **31.7598, 26.3362, 98.0172** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **71.1593, 77.1810, 23.9809**, and the grayscale version is **23.4925, 24.7160, 26.9157**.

A 20% lighter version of the original color is **50.7075, 49.5003, 101.4897**, and **13.4262, 10.2364, 54.0915** is the 20% darker color. If you saturate the color by 10%, you get **26.7490, 20.0136, 97.0609**, and if you desaturate by 10%, it is **38.2252, 34.2418, 99.2024**.

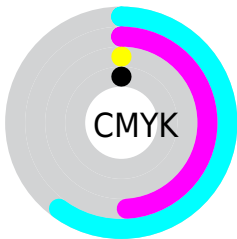
Distribution



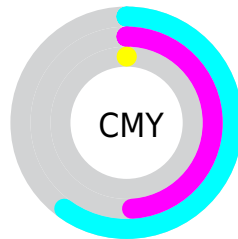
- Red (40%)
- Green (51%)
- Blue (100%)



- Red (40%)
- Yellow (50%)
- 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 31.7598, 26.3362, 98.0172 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 31.7598, 26.3362, 98.0172 by changing the saturation by 10% instead.

■ 31.7598, 26.3362,
98.0172

■ 31.7598, 26.3362,
98.0172

301.7884,
284.4286, 575.0090

■ 21.3328, 17.0753,
74.0380

■ 61.8021, 53.8168,
160.4577

■ 13.4813, 10.2882,
54.3282

■ 82.1480, 72.8054,
199.7561

■ 7.8401, 5.5905,
38.4691

■ 106.5310, 95.8052,
244.9981

■ 4.0437, 2.5977,
26.0424

135.3163,
123.2009, 296.6020

■ 1.7269, 0.9255,
16.6293

168.8694,
155.3766, 354.9865

■ 0.4730, 0.0000,
9.8114

207.5555,

■ 0.0000, 0.0000,

192.7169, 420.5702

5.1701

251.7400,
235.6061, 493.7715

■ 0.0000, 0.0000,
2.2869

■ 0.0000, 0.0000,
0.7239

■ 31.7598, 26.3362,
98.0172

■ 31.7598, 26.3362,
98.0172

■ 26.7490, 20.0136,
97.0609

■ 38.2252, 34.2418,
99.2024

■ 23.0719, 15.1609,
96.3181

■ 46.2464, 43.8279,
100.6299

■ 20.5921, 11.6525,
95.7716

■ 55.9190, 55.1865,
102.3125

■ 19.1109, 9.3231,
95.4000

■ 67.3300, 68.4023,
104.2620

■ 19.0651, 9.2503,
95.3884

■ 80.5599, 83.5544,
106.4894

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.



22.8634, 26.3362, 105.0895



31.7598, 26.3362, 98.0172



40.3791, 26.3362, 68.2719

Triad

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



31.7598, 26.3362, 98.0172



36.5145, 26.3362, 5.2553



12.0302, 26.3362, 22.7411

Complementary

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



31.7598, 26.3362, 98.0172



71.1593, 77.1810, 23.9809

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.



14.1688, 26.3362, 8.4218



31.7598, 26.3362, 98.0172



27.3331, 26.3362, 2.7593

Square

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



31.7598, 26.3362, 98.0172



43.5307, 26.3362, 14.3290



19.3281, 26.3362, 3.4493



12.6943, 26.3362, 50.3565

Rectangle

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



31.7598, 26.3362, 98.0172



44.1525, 26.3362, 45.6129



19.3281, 26.3362, 3.4493



12.4241, 26.3362, 16.5555

Sweetspot

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



31.7609, 26.3370, 98.0173



69.3286, 70.7016, 104.6005



54.8907, 79.8185, 83.4629



14.0709, 14.2486, 22.2586



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.



31.7609, 26.3370, 98.0173



25.7515, 18.7218, 96.8642



35.2235, 23.2745, 97.2437



17.2736, 17.9188, 22.7982



10.0392, 4.9879, 49.8682



1.0467, 0.6240, 4.8786

Inverse Universe

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



50.1878, 32.6007, 25.1206



46.0796, 26.8419, 16.1750



64.6170, 86.1135, 26.0498



18.1460, 18.0417, 19.3859



21.8555, 11.2315, 2.6236



2.1629, 1.1075, 0.4394

Previews

White Background



This preview shows how the XYZ color 31.7598, 26.3362, 98.0172 looks on a white background.

Color Contrast Check

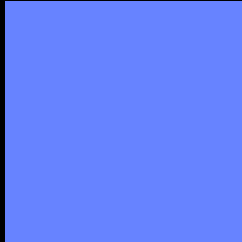
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7598, 26.3362, 98.0172 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 31.7598, 26.3362, 98.0172

Background



This preview shows how black text looks on a background with the XYZ color 31.7598, 26.3362, 98.0172.



This preview shows how white text looks on a background with the XYZ color 31.7598, 26.3362,

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

31.7598, 26.3362, 98.0172

Protanopia

30.1624, 26.5338, 98.1395

Deuteranopia

27.2437, 26.3743, 95.7503



Tritanopia

20.0697, 26.2298, 39.6024

Trichromacy



Original Color

31.7598, 26.3362, 98.0172

Protanomaly

30.5996, 26.3449, 98.0800

Deuteranomaly

27.5811, 25.6621, 96.4281

Tritanomaly

23.3082, 25.6434, 57.1473

Monochromacy



Original Color

31.7598, 26.3362, 98.0172

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.3596, 24.9832, 46.6657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7598, 26.3362, 98.0172 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(103, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 131, 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(103, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 131, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.7598, 26.3362, 98.0172 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(103, 131, 255) }
```


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

```
.border{ border-color:rgb(103, 131, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 131,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7598, 26.3362, 98.0172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 131, 255) }
```

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

```
.background{ background-color: rgb(103,  
131, 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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