

Converting Colors

XYZ(31.5671, 25.1693, 76.5857)

Have a look what the booklet for
XYZ(31.5671, 25.1693, 76.5857)
contains.

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Color

**XYZ(31.5678, 25.1706,
76.5934)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7BE4
RGB	138, 123, 228
RGB Percent	54%, 48%, 89%
CMY	0.4588, 0.5176, 0.1059
CMYK	0.39, 0.46, 0.00, 0.11
HSL	249°, 66%, 69%
HSV	249°, 46%, 89%
XYZ	31.5678, 25.1706, 76.5934
YIQ	139.4550, -24.7650, 35.8350

Conversions

Conversions Part 2

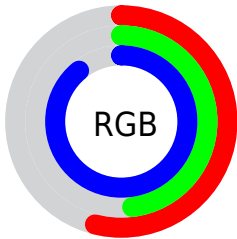
Format	Color
R _Y B	138, 123, 228
Decimal	9075684
CIE Lab	57.24, 30.57, -51.59
CIE LCh	57, 59.969, 300.645
Yxy	25.1706, 0.2368, 0.1888
Android (android.graphics.Color)	4287265764 (0xFF8A7BE4)
YUV	139.4550, 43.6527, -1.2760
Hunter-Lab	50.1703, 24.5164, -55.3969

Details

The XYZ color **31.5678, 25.1706, 76.5934** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **58.7590, 71.0632, 29.3592**, and the grayscale version is **24.5605, 25.8395, 28.1393**.

A 20% lighter version of the original color is **56.0810, 49.8728, 101.2784**, and **13.3748, 9.6700, 40.1913** is the 20% darker color. If you saturate the color by 10%, you get **26.1143, 18.6386, 75.6205**, and if you desaturate by 10%, it is **38.2636, 33.3214, 77.8143**.

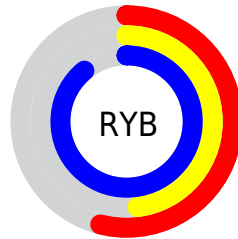
Distribution



Red (54%)

Green (48%)

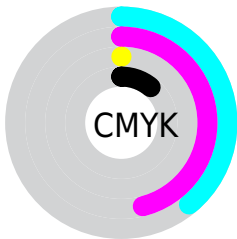
Blue (89%)



Red (54%)

Yellow (48%)

Blue (89%)

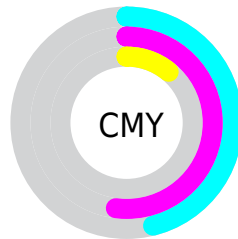


Cyan (39%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (46%)

Magenta (52%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5678, 25.1706, 76.5934 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 31.5678, 25.1706, 76.5934 by changing the saturation by 10% instead.

■ 31.5678, 25.1706,
76.5934

■ 31.5678, 25.1706,
76.5934

300.9261,
278.6865, 502.7774

■ 21.1855, 16.2042,
56.4097

■ 61.5027, 51.9339,
130.3331

■ 13.3729, 9.6688,
40.1253

■ 81.7860, 70.4995,
164.7262

■ 7.7646, 5.1799,
27.3217

■ 106.1005, 93.0337,
204.6928

■ 3.9952, 2.3532,
17.5804

134.8113,
119.9208, 250.6514

■ 1.6994, 0.8017,
10.4828

168.2839,
151.5452, 303.0207

■ 0.4559, 0.0000,
5.6105

206.8837,

■ 0.0000, 0.0000,

188.2914, 362.2190

2.5448

250.9760,
230.5437, 428.6651

■ 0.0000, 0.0000,
0.8637

■ 0.0000, 0.0000,
0.0000

■ 31.5678, 25.1706,
76.5934

■ 31.5678, 25.1706,
76.5934

■ 26.1143, 18.6386,
75.6205

■ 38.2636, 33.3214,
77.8143

■ 21.8226, 13.6137,
74.8768

■ 46.2695, 43.1871,
79.2966

■ 18.6069, 9.9746,
74.3439

■ 55.6518, 54.8593,
81.0550

■ 16.3684, 7.5794,
73.9995

■ 66.4717, 68.4224,
83.1027

■ 14.9879, 6.2539,
73.8165

■ 78.7864, 83.9555,
85.4518

■ 14.6174, 5.9179,
73.7711

■ 91.0037, 98.3815,
87.5924

Harmonies

Analogous

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



24.0777, 25.1706, 87.9248



31.5678, 25.1706, 76.5934



37.8830, 25.1706, 51.3493

Triad

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



31.5678, 25.1706, 76.5934



31.2490, 25.1706, 5.5173



12.7167, 25.1706, 27.8484

Complementary

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



31.5678, 25.1706, 76.5934



58.7590, 71.0632, 29.3592

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.



13.8997, 25.1706, 12.3758



31.5678, 25.1706, 76.5934



23.7707, 25.1706, 3.9688

Square

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



31.5678, 25.1706, 76.5934



37.6749, 25.1706, 11.9331



17.6257, 25.1706, 5.6697



14.0068, 25.1706, 52.5152

Rectangle

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



31.5678, 25.1706, 76.5934



40.0551, 25.1706, 34.2559



17.6257, 25.1706, 5.6697



12.8355, 25.1706, 21.5370

Sweetspot

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



31.5688, 25.1715, 76.5940



74.3247, 73.9511, 104.9644



46.2191, 57.9061, 82.1403



15.2965, 15.0637, 22.3513



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.



31.5688, 25.1715, 76.5940



34.1100, 24.5579, 97.5501



42.1977, 30.6509, 77.0914



13.7735, 13.9854, 18.1179



8.4996, 3.4476, 42.6006



0.6888, 0.2860, 3.1509

Inverse Universe

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



51.0884, 35.4645, 67.1024



62.3320, 39.4604, 82.8991



46.1181, 64.5466, 28.7676



14.9019, 14.5780, 17.6838



24.2245, 11.8240, 31.1407



1.8145, 0.8835, 2.4296

Previews

White Background



This preview shows how the XYZ color 31.5678, 25.1706, 76.5934 looks on a white background.

Color Contrast Check

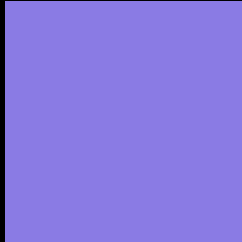
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5678, 25.1706, 76.5934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

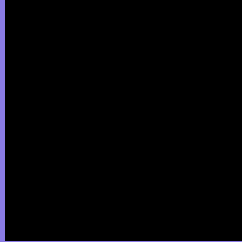
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5678, 25.1706, 76.5934

Background



This preview shows how black text looks on a background with the XYZ color 31.5678, 25.1706, 76.5934.



This preview shows how white text looks on a background with the XYZ color 31.5678, 25.1706,

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

31.5678, 25.1706, 76.5934

Protanopia

28.2721, 25.4474, 84.3107

Deuteranopia

26.2464, 25.4522, 74.7636



Tritanopia

22.7913, 25.0162, 33.3331

Trichromacy



Original Color

31.5678, 25.1706, 76.5934

Protanomaly

29.0183, 25.0939, 81.1561

Deuteranomaly

27.7085, 25.1496, 75.3455

Tritanomaly

25.5157, 24.8575, 46.6332

Monochromacy



Original Color

31.5678, 25.1706, 76.5934

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.3857, 25.2043, 42.0023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5678, 25.1706, 76.5934 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(138, 123, 228)` looks like.

```
.text, #text, p{  
    color:rgb(138, 123, 228)  
}
```

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(138, 123, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 123, 228) }
```

Border

The CSS property to change the border of an element to XYZ 31.5678, 25.1706, 76.5934 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(138, 123, 228) }
```


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

```
.border{ border-color:rgb(138, 123, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 123, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 123, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 123, 228);  
box-shadow:4px 4px 4px 4px rgb(138, 123,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5678, 25.1706, 76.5934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 123, 228) }
```

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

```
.background{ background-color: rgb(138,  
123, 228) }
```

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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