

Converting Colors

XYZ(31.1655, 25.9610, 78.1467)

Have a look what the booklet for
XYZ(31.1655, 25.9610, 78.1467)
contains.

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Color

**XYZ(31.0554, 25.8186,
78.2096)**

Conversions

Conversions Part 1

Format	Color
Hex	8180E6
RGB	129, 128, 230
RGB Percent	51%, 50%, 90%
CMY	0.4941, 0.4980, 0.0980
CMYK	0.44, 0.44, 0.00, 0.10
HSL	241°, 67%, 70%
HSV	241°, 44%, 90%
XYZ	31.0554, 25.8186, 78.2096
YIQ	139.9270, -32.1460, 31.9340

Conversions

Conversions Part 2

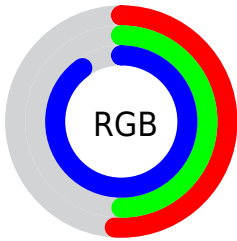
Format	Color
RYB	129, 128, 230
Decimal	8487142
CIELab	57.86, 26.00, -51.76
CIELCh	58, 57.924, 296.668
Yxy	25.8186, 0.2299, 0.1911
Android (android.graphics.Color)	4286677222 (0xFF8180E6)
YUV	139.9270, 44.4060, -9.5830
Hunter-Lab	50.8120, 20.1750, -55.6905

Details

The XYZ color **31.0554, 25.8186, 78.2096** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **64.5056, 74.8101, 31.4626**, and the grayscale version is **24.7419, 26.0304, 28.3471**.

A 20% lighter version of the original color is **54.8236, 50.7069, 101.5056**, and **13.1085, 10.0257, 41.2887** is the 20% darker color. If you saturate the color by 10%, you get **25.3061, 18.8950, 77.1768**, and if you desaturate by 10%, it is **38.2574, 34.5011, 79.5064**.

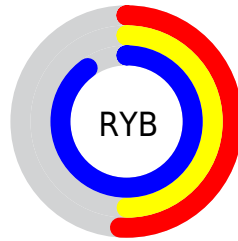
Distribution



Red (51%)

Green (50%)

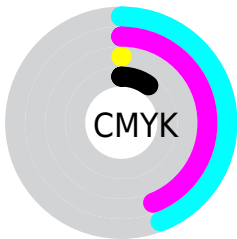
Blue (90%)



Red (51%)

Yellow (50%)

Blue (90%)

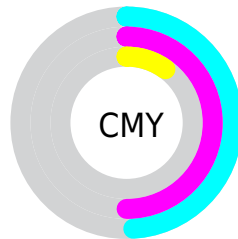


Cyan (44%)

Magenta (44%)

Yellow (0%)

Black (10%)



Cyan (49%)

Magenta (50%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0554, 25.8186, 78.2096 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 31.0554, 25.8186, 78.2096 by changing the saturation by 10% instead.

■ 31.0554, 25.8186,
78.2096

■ 31.0554, 25.8186,
78.2096

298.6158,
281.8905, 508.4251

■ 20.7931, 16.6880,
57.7287

■ 60.7025, 52.9822,
132.6341

■ 13.0844, 10.0123,
41.1773

■ 80.8180, 71.7839,
167.4148

■ 7.5641, 5.4071,
28.1369

■ 104.9487, 94.5781,
207.7992

■ 3.8668, 2.4880,
18.1890

133.4597,
121.7492, 254.2058

■ 1.6270, 0.8706,
10.9149

166.7166,
153.6816, 307.0531

■ 0.4099, 0.0000,
5.8962

205.0847,

■ 0.0000, 0.0000,

190.7597, 366.7598

2.7143

248.9293,
233.3678, 433.7443

■ 0.0000, 0.0000,
0.9506

■ 0.0000, 0.0000,
0.0000

■ 31.0554, 25.8186,
78.2096

■ 31.0554, 25.8186,
78.2096

■ 25.3061, 18.8950,
77.1768

■ 38.2574, 34.5011,
79.5064

■ 20.9082, 13.6079,
76.3880

■ 46.9984, 45.0483,
81.0815

■ 17.7521, 9.8234,
75.8239

■ 57.3612, 57.5610,
82.9505

■ 15.7099, 7.3854,
75.4609

■ 69.4223, 72.1319,
85.1273

■ 14.6262, 6.1038,
75.2707

■ 83.2529, 88.8479,
87.6249

■ 14.3113, 5.7278,
75.2147

■ 91.2830, 98.4932,
89.0634

Harmonies

Analogous

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



23.7696, 25.8186, 86.4249



31.0554, 25.8186, 78.2096



37.5174, 25.8186, 54.8961

Triad

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



31.0554, 25.8186, 78.2096



32.6597, 25.8186, 6.6996



13.4502, 25.8186, 25.9411

Complementary

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



31.0554, 25.8186, 78.2096



64.5056, 74.8101, 31.4626

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.



14.9642, 25.8186, 11.8635



31.0554, 25.8186, 78.2096



25.3265, 25.8186, 4.5743

Square

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



31.0554, 25.8186, 78.2096



38.5600, 25.8186, 14.1712



19.0059, 25.8186, 5.8787



14.4114, 25.8186, 49.0818

Rectangle

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



31.0554, 25.8186, 78.2096



40.0158, 25.8186, 37.9173



19.0059, 25.8186, 5.8787



13.6781, 25.8186, 20.1622

Sweetspot

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



31.0564, 25.8195, 78.2102



74.3096, 74.9403, 105.1561



51.4824, 66.8966, 85.0623



15.2312, 15.2261, 22.3861



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.



31.0564, 25.8195, 78.2102



32.6588, 24.6948, 97.6530



40.5931, 30.7358, 78.6565



13.5959, 13.8939, 18.1095



8.1082, 3.2458, 42.5823



0.6038, 0.2423, 3.1469

Inverse Universe

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



54.4952, 37.9189, 78.5736



65.7751, 41.7916, 98.0894



50.7841, 67.7364, 30.8205



14.9887, 14.6127, 18.1409



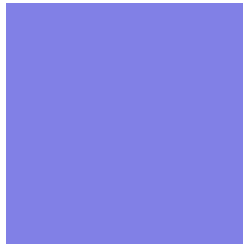
26.3854, 12.6884, 42.5198



1.9518, 0.9384, 3.1525

Previews

White Background



This preview shows how the XYZ color 31.0554, 25.8186, 78.2096 looks on a white background.

Color Contrast Check

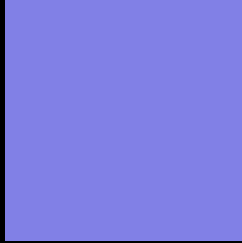
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.0554, 25.8186, 78.2096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

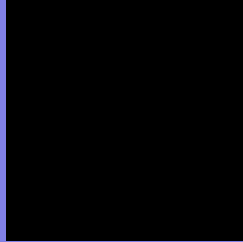
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0554, 25.8186, 78.2096

Background



This preview shows how black text looks on a background with the XYZ color 31.0554, 25.8186, 78.2096.



This preview shows how white text looks on a background with the XYZ color 31.0554, 25.8186,

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

31.0554, 25.8186, 78.2096

Protanopia

28.6693, 25.8753, 83.6042

Deuteranopia

26.6650, 25.8503, 76.2573



Tritanopia

22.5566, 25.9661, 35.2756

Trichromacy



Original Color

31.0554, 25.8186, 78.2096

Protanomaly

29.1660, 25.5688, 81.2400

Deuteranomaly

27.9231, 25.6387, 76.8758

Tritanomaly

25.1160, 25.6660, 48.4300

Monochromacy



Original Color

31.0554, 25.8186, 78.2096

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.5003, 25.8597, 43.1299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0554, 25.8186, 78.2096 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(129, 128, 230)` looks like.

```
.text, #text, p{  
    color:rgb(129, 128, 230)  
}
```

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(129, 128, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 128, 230) }
```

Border

The CSS property to change the border of an element to XYZ 31.0554, 25.8186, 78.2096 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(129, 128, 230) }
```


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

```
.border{ border-color:rgb(129, 128, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 128, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 128, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 128, 230); box-shadow:4px 4px 4px 4px rgb(129, 128, 230) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0554, 25.8186, 78.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 128, 230) }
```

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

```
.background{ background-color: rgb(129,  
128, 230) }
```

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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