

Converting Colors

XYZ(31.3134, 24.5042, 57.7917)

Have a look what the booklet for
XYZ(31.3134, 24.5042, 57.7917)
contains.

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Color

**XYZ(31.4010, 24.6006,
57.7370)**

Conversions

Conversions Part 1

Format	Color
Hex	A076C8
RGB	160, 118, 200
RGB Percent	63%, 46%, 78%
CMY	0.3725, 0.5372, 0.2157
CMYK	0.20, 0.41, 0.00, 0.22
HSL	271°, 43%, 62%
HSV	271°, 41%, 78%
XYZ	31.4010, 24.6006, 57.7370
YIQ	139.9060, -1.2900, 34.4060

Conversions

Conversions Part 2

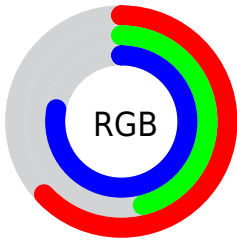
Format	Color
R_{YB}	160, 118, 200
Decimal	10516168
CIE _{Lab}	56.68, 32.36, -36.56
CIE _{LCh}	57, 48.825, 311.508
Yxy	24.6006, 0.2761, 0.2163
Android (android.graphics.Color)	4288706248 (0xFFA076C8)
YUV	139.9060, 29.6263, 17.6224
Hunter-Lab	49.5990, 26.2097, -34.2988

Details

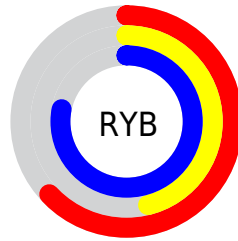
The XYZ color **31.4010, 24.6006, 57.7370** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **38.0255, 49.8862, 24.7654**, and the grayscale version is **24.7806, 26.0711, 28.3915**.

A 20% lighter version of the original color is **60.9318, 50.9447, 101.2296**, and **13.3798, 9.4574, 28.3144** is the 20% darker color. If you saturate the color by 10%, you get **27.4164, 19.4135, 56.9462**, and if you desaturate by 10%, it is **36.0397, 30.8672, 58.7025**.

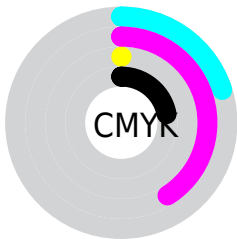
Distribution



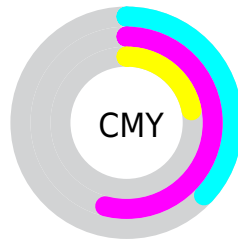
- Red (63%)
- Green (46%)
- Blue (78%)



- Red (63%)
- Yellow (46%)
- Blue (78%)



- Cyan (20%)
- Magenta (41%)
- Yellow (0%)
- Black (22%)



- Cyan (37%)
- Magenta (54%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4010, 24.6006, 57.7370 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 31.4010, 24.6006, 57.7370 by changing the saturation by 10% instead.

■ 31.4010, 24.6006,
57.7370

■ 31.4010, 24.6006,
57.7370

300.1755,
275.8430, 433.7761

■ 21.0577, 15.7797,
41.1839

■ 61.2424, 51.0085,
103.0508

■ 13.2789, 9.3684,
28.1421

■ 81.4713, 69.3644,
132.6486

■ 7.6992, 4.9823,
18.1928

■ 105.7260, 91.6674,
167.4317

■ 3.9533, 2.2369,
10.9176

134.3720,
118.3019, 207.8187

■ 1.6757, 0.7400,
5.8980

167.7745,
149.6523, 254.2280

■ 0.4410, 0.0000,
2.7154

206.2991,

■ 0.0000, 0.0000,

186.1031, 307.0784

0.9511

250.3110,
228.0385, 366.7882

■ 0.0000, 0.0000,
0.0000

■ 31.4010, 24.6006,
57.7370

■ 31.4010, 24.6006,
57.7370

■ 27.4164, 19.4135,
56.9462

■ 36.0397, 30.8672,
58.7025

■ 24.0480, 15.2375,
56.3177

■ 41.3624, 38.2701,
59.8509

■ 21.2576, 12.0007,
55.8400

■ 47.3999, 46.8657,
61.1918

■ 19.0007, 9.6199,
55.4994

■ 54.1805, 56.7056,
62.7337

■ 17.2253, 7.9968,
55.2797

■ 61.7307, 67.8384,
64.4846

15.9549, 7.0207,
55.1583

70.0758, 80.3099,
66.4520

78.2739, 92.2324,
68.3212

81.4623, 93.8761,
68.4704

84.8283, 95.6113,
68.6279

Harmonies

Analogous

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



25.6316, 24.6006, 70.6674



31.4010, 24.6006, 57.7370



35.3573, 24.6006, 37.9934

Triad

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



31.4010, 24.6006, 57.7370



27.0236, 24.6006, 6.7139



14.2226, 24.6006, 33.5302

Complementary

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



31.4010, 24.6006, 57.7370



38.0255, 49.8862, 24.7654

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.



14.4715, 24.6006, 18.0325



31.4010, 24.6006, 57.7370



21.2682, 24.6006, 6.3291

Square

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



31.4010, 24.6006, 57.7370



32.5611, 24.6006, 10.9335



16.8598, 24.6006, 9.5157



16.1139, 24.6006, 53.3531

Rectangle

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



31.4010, 24.6006, 57.7370



36.1011, 24.6006, 25.9703



16.8598, 24.6006, 9.5157



14.0681, 24.6006, 27.6184

Sweetspot

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



31.4019, 24.6016, 57.7376



80.7734, 79.2847, 105.6540



30.2955, 32.8189, 59.3820



16.9810, 16.5291, 22.5454



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.



31.4019, 24.6016, 57.7376



48.3001, 34.6744, 98.7549



40.7238, 29.4072, 58.1738



10.5660, 10.5500, 13.3970



10.2484, 4.5175, 35.0762



0.5687, 0.2569, 1.6648

Inverse Universe

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



36.4701, 27.7057, 35.7740



58.6333, 41.0002, 54.1141



31.3963, 46.4687, 24.4551



10.8458, 10.7217, 12.1715



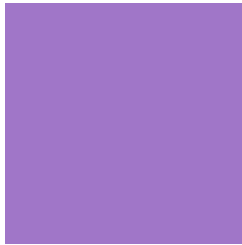
16.5788, 8.3811, 8.2578



0.8216, 0.4115, 0.5836

Previews

White Background



This preview shows how the XYZ color 31.4010, 24.6006, 57.7370 looks on a white background.

Color Contrast Check

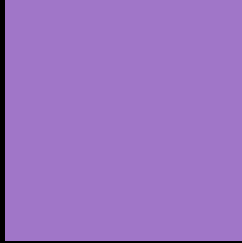
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4010, 24.6006, 57.7370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

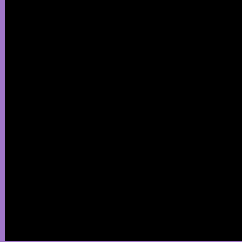
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4010, 24.6006, 57.7370

Background



This preview shows how black text looks on a background with the XYZ color 31.4010, 24.6006, 57.7370.

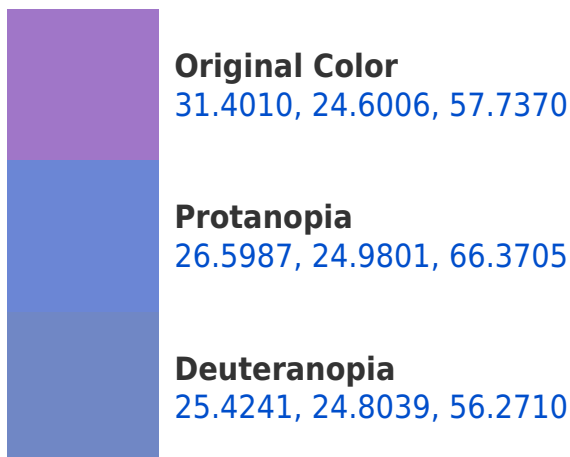


This preview shows how white text looks on a background with the XYZ color 31.4010, 24.6006,

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





Tritanopia

25.5017, 24.6397, 28.6112

Trichromacy



Original Color

31.4010, 24.6006, 57.7370

Protanomaly

27.7085, 24.4280, 62.9292

Deuteranomaly

27.0966, 24.4449, 56.7163

Tritanomaly

27.3089, 24.4004, 37.4528

Monochromacy



Original Color

31.4010, 24.6006, 57.7370

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

26.8055, 25.3142, 37.6557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4010, 24.6006, 57.7370 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(160, 118, 200)` looks like.

```
.text, #text, p{  
    color:rgb(160, 118, 200)  
}
```

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(160, 118, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 118, 200) }
```

Border

The CSS property to change the border of an element to XYZ 31.4010, 24.6006, 57.7370 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(160, 118, 200) }
```


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

```
.border{ border-color:rgb(160, 118, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 118, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 118, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 118, 200); box-shadow:4px 4px 4px 4px rgb(160, 118, 200) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4010, 24.6006, 57.7370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 118, 200) }
```

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

```
.background{ background-color: rgb(160,  
118, 200) }
```

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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