

Converting Colors

XYZ(31.0268, 48.0980, 22.3048)

Have a look what the booklet for
XYZ(31.0268, 48.0980, 22.3048)
contains.

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Color

**XYZ(31.0762, 48.1034,
22.3989)**

Conversions

Conversions Part 1

Format	Color
Hex	6ECD6E
RGB	110, 205, 110
RGB Percent	43%, 80%, 43%
CMY	0.5686, 0.1961, 0.5686
CMYK	0.46, 0.00, 0.46, 0.20
HSL	120°, 49%, 62%
HSV	120°, 46%, 80%
XYZ	31.0762, 48.1034, 22.3989
YIQ	165.7650, -26.1250, -49.6850

Conversions

Conversions Part 2

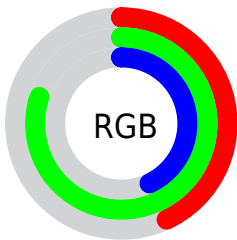
Format	Color
RYB	110, 205, 205
Decimal	7261550
CIELab	74.89, -47.31, 38.64
CIELCh	75, 61.088, 140.759
Yxy	48.1034, 0.3059, 0.4736
Android (android.graphics.Color)	4285451630 (0xFF6ECD6E)
YUV	165.7650, -27.4921, -48.9059
Hunter-Lab	69.3566, -41.3947, 29.4018

Details

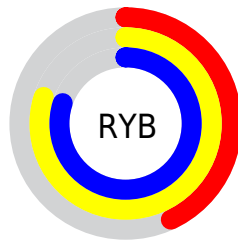
The XYZ color **31.0762, 48.1034, 22.3989** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **41.7736, 28.5396, 61.0658**, and the grayscale version is **36.2706, 38.1595, 41.5557**.

A 20% lighter version of the original color is **58.3072, 82.3798, 47.4781**, and **13.1381, 22.8690, 7.9967** is the 20% darker color. If you saturate the color by 10%, you get **27.8246, 46.5430, 17.0795**, and if you desaturate by 10%, it is **35.1784, 50.0753, 29.1079**.

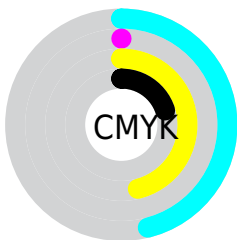
Distribution



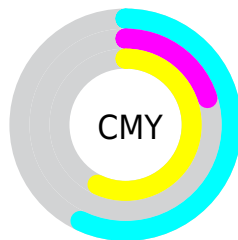
- Red (43%)
- Green (80%)
- Blue (43%)



- Red (43%)
- Yellow (80%)
- Blue (80%)



- Cyan (46%)
- Magenta (0%)
- Yellow (46%)
- Black (20%)



- Cyan (57%)
- Magenta (20%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0762, 48.1034, 22.3989 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 31.0762, 48.1034, 22.3989 by changing the saturation by 10% instead.

■ 31.0762, 48.1034,
22.3989

■ 31.0762, 48.1034,
22.3989

298.7098,
379.2018, 277.6436

■ 20.8090, 33.9088,
13.9492

■ 60.7350, 87.3583,
48.3150

■ 13.0961, 22.8235,
7.9470

■ 80.8574, 113.1874,
66.6185

■ 7.5722, 14.4633,
3.9738

■ 104.9955,
143.6635, 89.0437

■ 3.8720, 8.4436,
1.6110

■ 133.5147,
179.1709, 116.0091

■ 1.6299, 4.3801,
0.2986

166.7804,
220.0940, 147.9332

■ 0.4118, 1.8884,
0.0000

205.1579,

■ 0.0000, 0.5414,

266.8173, 185.2346

0.0000

249.0126,
319.7251, 228.3319

■ 0.0000, 0.0000,
0.0000

■ 31.0762, 48.1034,
22.3989

■ 31.0762, 48.1034,
22.3989

■ 27.8246, 46.5430,
17.0795

■ 35.1784, 50.0753,
29.1079

■ 25.3608, 45.3594,
13.0493

■ 40.1812, 52.4784,
37.2909

■ 23.6188, 44.5227,
10.1999


■ 46.1351, 55.3384,
47.0296


■ 22.5208, 43.9952,
8.4038


■ 53.0858, 58.6772,
58.3986


■ 21.9672, 43.7294,
7.4983

■ 61.0760, 62.5153,
71.4679

 21.8323, 43.6645,
7.2775

 70.1459, 66.8720,
86.3032

 80.3337, 71.7657,
102.9670

 81.1223, 72.1445,
104.2574

Harmonies

Analogous

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



38.5514, 48.1034, 13.4418



31.0762, 48.1034, 22.3989



27.6931, 48.1034, 43.1434

Triad

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



31.0762, 48.1034, 22.3989



42.3717, 48.1034, 139.0788



68.7775, 48.1034, 33.5275

Complementary

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



31.0762, 48.1034, 22.3989



41.7736, 28.5396, 61.0658

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.



70.2464, 48.1034, 62.8409



31.0762, 48.1034, 22.3989



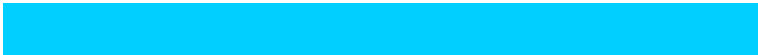
53.7282, 48.1034, 133.0663

Square

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



31.0762, 48.1034, 22.3989



33.4822, 48.1034, 115.5801



64.3663, 48.1034, 101.4632



60.6285, 48.1034, 17.8181

Rectangle

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



31.0762, 48.1034, 22.3989



27.7637, 48.1034, 64.6636



64.3663, 48.1034, 101.4632



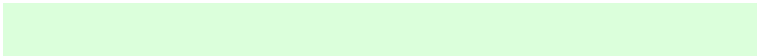
70.1154, 48.1034, 41.7535

Sweetspot

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



31.0774, 48.1054, 22.4000



77.8896, 91.7570, 80.8313



49.8247, 57.7700, 23.2768



16.1696, 19.3987, 16.4802



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.



31.0774, 48.1054, 22.4000



45.4035, 76.1523, 27.6944



34.3916, 49.4311, 39.8522



11.0681, 12.5370, 11.9160



13.5908, 27.1816, 4.5304



0.7011, 1.4023, 0.2337

Inverse Universe

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



41.7736, 28.5396, 61.0658



65.1058, 40.1123, 98.9163



36.8827, 26.5833, 35.3108



11.6876, 11.4038, 14.1555



22.5332, 10.8239, 36.8562



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 31.0762, 48.1034, 22.3989 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.0762, 48.1034, 22.3989 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 ✓ Pass

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

XYZ 31.0762, 48.1034, 22.3989

Background



This preview shows how black text looks on a background with the XYZ color 31.0762, 48.1034, 22.3989.

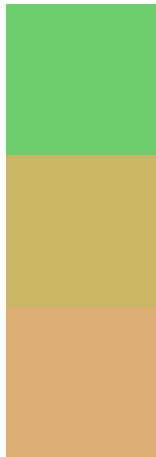


This preview shows how white text looks on a background with the XYZ color 31.0762, 48.1034,

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

31.0762, 48.1034, 22.3989

Protanopia

43.4192, 47.2438, 19.4009

Deuteranopia

48.3597, 47.3165, 23.4138



Tritanopia

40.1605, 48.0123, 67.4722

Trichromacy



Original Color

31.0762, 48.1034, 22.3989



Protanomaly

37.3291, 46.6064, 20.3931



Deuteranomaly

39.6522, 46.1565, 22.7388



Tritanomaly

35.9053, 47.6163, 46.8336

Monochromacy



Original Color

31.0762, 48.1034, 22.3989



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.3636, 40.8288, 33.3164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0762, 48.1034, 22.3989 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(110, 205, 110)` looks like.

```
.text, #text, p{  
    color:rgb(110, 205, 110)  
}
```

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(110, 205, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 205, 110) }
```

Border

The CSS property to change the border of an element to XYZ 31.0762, 48.1034, 22.3989 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(110, 205, 110) }
```


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

```
.border{ border-color:rgb(110, 205, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 205, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 205, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 205, 110);  
box-shadow:4px 4px 4px 4px rgb(110, 205,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0762, 48.1034, 22.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 205, 110) }
```

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

```
.background{ background-color: rgb(110,  
205, 110) }
```

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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