

Converting Colors

XYZ(31.7775, 49.5148, 23.8021)

Have a look what the booklet for
XYZ(31.7775, 49.5148, 23.8021)
contains.

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Color

**XYZ(31.7775, 49.5148,
23.8021)**

Conversions

Conversions Part 1

Format	Color
Hex	6CD072
RGB	108, 208, 114
RGB Percent	42%, 82%, 45%
CMY	0.5765, 0.1843, 0.5529
CMYK	0.48, 0.00, 0.45, 0.18
HSL	124°, 52%, 62%
HSV	124°, 48%, 82%
XYZ	31.7775, 49.5148, 23.8021
YIQ	167.3840, -29.4260, -50.4340

Conversions

Conversions Part 2

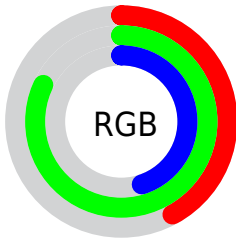
Format	Color
RYB	108, 202, 208
Decimal	7131250
CIELab	75.77, -48.54, 37.74
CIELCh	76, 61.484, 142.128
Yxy	49.5148, 0.3024, 0.4711
Android (android.graphics.Color)	4285321330 (0xFF6CD072)
YUV	167.3840, -26.3183, -52.0798
Hunter-Lab	70.3668, -42.5315, 29.2014

Details

The XYZ color **31.7775, 49.5148, 23.8021** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **42.0372, 28.4002, 59.1447**, and the grayscale version is **37.0538, 38.9835, 42.4530**.

A 20% lighter version of the original color is **58.2521, 82.3094, 49.3763**, and **13.5356, 23.7810, 8.7273** is the 20% darker color. If you saturate the color by 10%, you get **28.5468, 47.9659, 18.4498**, and if you desaturate by 10%, it is **35.8521, 51.4741, 30.4377**.

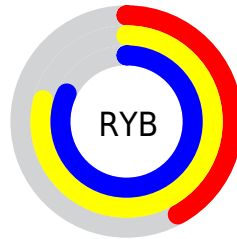
Distribution



Red (42%)

Green (82%)

Blue (45%)



Red (42%)

Yellow (79%)

Blue (82%)

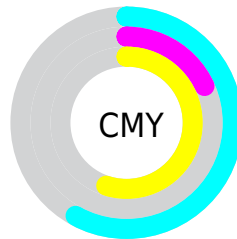


Cyan (48%)

Magenta (0%)

Yellow (45%)

Black (18%)



Cyan (58%)

Magenta (18%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7775, 49.5148, 23.8021 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 31.7775, 49.5148, 23.8021 by changing the saturation by 10% instead.

■ 31.7775, 49.5148,
23.8021

■ 31.7775, 49.5148,
23.8021

301.8678,
384.7655, 285.0727

■ 21.3463, 35.0280,
14.9760

■ 61.8297, 89.4556,
50.6468

■ 13.4913, 23.6845,
8.6561

■ 82.1814, 115.6783,
69.5026

■ 7.8470, 15.0997,
4.4238

■ 106.5706,
146.5819, 92.5387

■ 4.0482, 8.8894,
1.8606

■ 135.3628,
182.5507, 120.1736

■ 1.7294, 4.6691,
0.4675

168.9233,
223.9690, 152.8259

■ 0.4746, 2.0545,
0.0000

207.6173,

■ 0.0000, 0.6388,

271.2213, 190.9142

0.0000

251.8104,
324.6920, 234.8569

■ 0.0000, 0.0000,
0.0000

■ 31.7775, 49.5148,
23.8021

■ 31.7775, 49.5148,
23.8021

■ 28.5468, 47.9659,
18.4498

■ 35.8521, 51.4741,
30.4377

■ 26.0972, 46.7925,
14.2948

■ 40.8200, 53.8635,
38.4285

■ 24.3635, 45.9645,
11.2461


■ 46.7314, 56.7086,
47.8452


■ 23.2681, 45.4439,
9.1979


■ 53.6315, 60.0315,
58.7524


■ 22.7023, 45.1776,
8.0234

■ 61.5629, 63.8527,
71.2108

 22.6262, 45.1414,
7.8842

 70.5653, 68.1916,
85.2779

 80.6767, 73.0665,
101.0082

 81.8468, 73.5937,
104.4989

Harmonies

Analogous

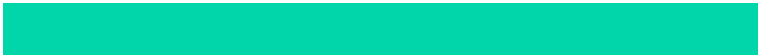
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.2704, 49.5148, 14.1353



31.7775, 49.5148, 23.8021



28.4990, 49.5148, 45.7555

Triad

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



31.7775, 49.5148, 23.8021



44.1203, 49.5148, 143.2107



70.4589, 49.5148, 33.5349

Complementary

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



31.7775, 49.5148, 23.8021



42.0372, 28.4002, 59.1447

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.



72.3199, 49.5148, 62.9870



31.7775, 49.5148, 23.8021



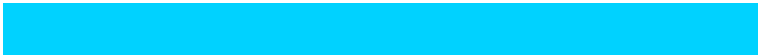
55.8222, 49.5148, 135.6060

Square

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



31.7775, 49.5148, 23.8021



34.8348, 49.5148, 120.3011



66.5983, 49.5148, 102.4326



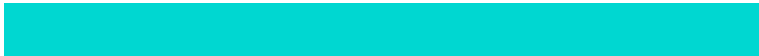
61.8609, 49.5148, 17.9627

Rectangle

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



31.7775, 49.5148, 23.8021



28.7021, 49.5148, 68.2256



66.5983, 49.5148, 102.4326



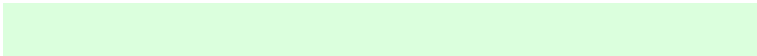
71.9436, 49.5148, 41.7570

Sweetspot

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



31.7787, 49.5169, 23.8032



78.1740, 91.8707, 82.3288



49.8933, 58.8935, 22.9256



16.2377, 19.4259, 16.8384



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.



31.7787, 49.5169, 23.8032



44.9864, 75.9124, 28.7973



35.3524, 50.9463, 42.6219



11.6847, 13.2176, 12.6959



14.1134, 28.1383, 4.9774



0.7995, 1.5774, 0.3327

Inverse Universe

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



42.0372, 28.4002, 59.1447



63.1617, 38.4577, 91.3825



37.1262, 26.4358, 33.2839



12.2789, 11.9963, 14.7444



22.4011, 10.8333, 33.3482



1.2620, 0.6095, 1.9147

Previews

White Background



This preview shows how the XYZ color 31.7775, 49.5148, 23.8021 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 31.7775, 49.5148, 23.8021 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 31.7775, 49.5148, 23.8021

Background



This preview shows how black text looks on a background with the XYZ color 31.7775, 49.5148, 23.8021.



This preview shows how white text looks on a background with the XYZ color 31.7775, 49.5148,

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

31.7775, 49.5148, 23.8021

Protanopia

45.0623, 48.9958, 20.7178

Deuteranopia

49.6048, 48.5127, 24.8386



Tritanopia

41.0298, 49.4037, 70.3242

Trichromacy



Original Color

31.7775, 49.5148, 23.8021



Protanomaly

38.4143, 48.1227, 21.7320



Deuteranomaly

40.3093, 47.0982, 24.1059



Tritanomaly

36.7076, 49.0126, 49.1206

Monochromacy



Original Color

31.7775, 49.5148, 23.8021



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.9273, 41.7050, 34.2787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7775, 49.5148, 23.8021 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(108, 208, 114)` looks like.

```
.text, #text, p{  
    color:rgb(108, 208, 114)  
}
```

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(108, 208, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 208, 114) }
```

Border

The CSS property to change the border of an element to XYZ 31.7775, 49.5148, 23.8021 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(108, 208, 114) }
```


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

```
.border{ border-color:rgb(108, 208, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 208, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 208, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 208, 114);  
box-shadow:4px 4px 4px 4px rgb(108, 208,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7775, 49.5148, 23.8021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 208, 114) }
```

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

```
.background{ background-color: rgb(108,  
208, 114) }
```

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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