

Converting Colors

XYZ(31.3914, 45.8217, 22.6365)

Have a look what the booklet for
XYZ(31.3914, 45.8217, 22.6365)
contains.

XYZ(31.4309, 45.8431, 22.5213)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.4309, 45.8431,
22.5213)**

Conversions

Conversions Part 1

Format	Color
Hex	7CC670
RGB	124, 198, 112
RGB Percent	49%, 78%, 44%
CMY	0.5137, 0.2235, 0.5608
CMYK	0.37, 0.00, 0.43, 0.22
HSL	112°, 43%, 61%
HSV	112°, 43%, 78%
XYZ	31.4309, 45.8431, 22.5213
YIQ	166.0700, -16.4980, -42.4340

Conversions

Conversions Part 2

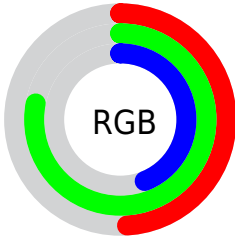
Format	Color
RYB	112, 198, 186
Decimal	8177264
CIELab	73.44, -39.77, 35.93
CIELCh	73, 53.601, 137.902
Yxy	45.8431, 0.3150, 0.4594
Android (android.graphics.Color)	4286367344 (0xFF7CC670)
YUV	166.0700, -26.6565, -36.8954
Hunter-Lab	67.7075, -35.6257, 27.6739

Details

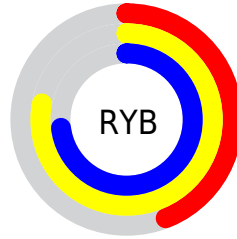
The XYZ color **31.4309, 45.8431, 22.5213** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **36.2391, 26.1062, 56.5575**, and the grayscale version is **36.4109, 38.3071, 41.7165**.

A 20% lighter version of the original color is **61.1419, 83.8203, 48.5537**, and **13.3685, 21.5964, 8.0214** is the 20% darker color. If you saturate the color by 10%, you get **28.1945, 44.2897, 17.2344**, and if you desaturate by 10%, it is **35.3375, 47.7167, 29.1069**.

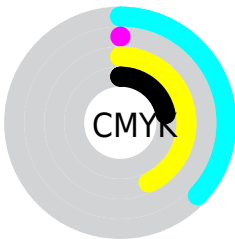
Distribution



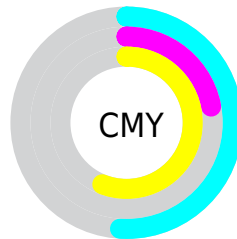
- Red (49%)
- Green (78%)
- Blue (44%)



- Red (44%)
- Yellow (78%)
- Blue (73%)



- Cyan (37%)
- Magenta (0%)
- Yellow (43%)
- Black (22%)



- Cyan (51%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4309, 45.8431, 22.5213 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 31.4309, 45.8431, 22.5213 by changing the saturation by 10% instead.

■ 31.4309, 45.8431,
22.5213

■ 31.4309, 45.8431,
22.5213

300.3101,
370.1775, 278.2985

■ 21.0806, 32.1220,
14.0385

■ 61.2891, 83.9841,
48.5193

■ 13.2957, 21.4547,
8.0084

■ 81.5277, 109.1729,
66.8715

■ 7.7109, 13.4568,
4.0125

■ 105.7931,
138.9530, 89.3506

■ 3.9608, 7.7438,
1.6322

■ 134.4508,
173.7088, 116.3752

■ 1.6800, 3.9315,
0.3136

167.8659,
213.8248, 148.3637

■ 0.4437, 1.6353,
0.0000

206.4040,

■ 0.0000, 0.3812,

259.6853, 185.7347

0.0000

250.4303,
311.6747, 228.9068

■ 0.0000, 0.0000,
0.0000

■ 31.4309, 45.8431,
22.5213

■ 31.4309, 45.8431,
22.5213

■ 28.1945, 44.2897,
17.2344

■ 35.3375, 47.7167,
29.1069

■ 25.5870, 43.0330,
13.1575

■ 39.9457, 49.9209,
37.0661

■ 23.5675, 42.0554,
10.1957


■ 45.2892, 52.4729,
46.4715


■ 22.0892, 41.3351,
8.2385


■ 51.3984, 55.3870,
57.3899


■ 21.0972, 40.8467,
7.1531

■ 58.3020, 58.6765,
69.8839

 20.6637, 40.6316,
6.7536

 66.0271, 62.3543,
84.0125

 74.5998, 66.4324,
99.8319

 79.4850, 68.8700,
103.7117

Harmonies

Analogous

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



38.2214, 45.8431, 14.9625



31.4309, 45.8431, 22.5213



28.1087, 45.8431, 39.7821

Triad

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



31.4309, 45.8431, 22.5213



39.8734, 45.8431, 120.0629



63.2552, 45.8431, 35.5648

Complementary

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



31.4309, 45.8431, 22.5213



36.2391, 26.1062, 56.5575

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.



63.8677, 45.8431, 61.6379



31.4309, 45.8431, 22.5213



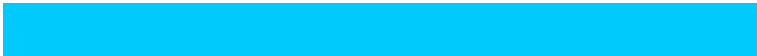
49.4010, 45.8431, 117.6309

Square

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



31.4309, 45.8431, 22.5213



32.4891, 45.8431, 99.3512



58.4963, 45.8431, 93.5707



56.9271, 45.8431, 20.3995

Rectangle

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



31.4309, 45.8431, 22.5213



27.9365, 45.8431, 57.4182



58.4963, 45.8431, 93.5707



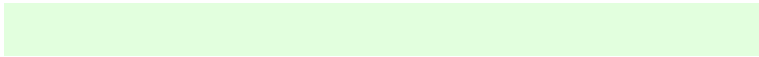
64.1664, 45.8431, 43.0964

Sweetspot

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



31.4320, 45.8450, 22.5223



80.4378, 93.0315, 82.7192



43.5852, 47.9176, 22.2818



16.7369, 19.6834, 16.8547



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.



31.4320, 45.8450, 22.5223



50.2650, 78.5890, 31.0625



31.7676, 45.7910, 32.7960



10.6328, 11.9577, 11.3104



13.4808, 26.4449, 4.3939



0.6842, 1.2758, 0.2102

Inverse Universe

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



36.2391, 26.1062, 56.5575



59.8174, 39.1562, 99.0129



36.1431, 26.4188, 40.1931



10.9320, 10.7387, 13.4141



17.5170, 8.2646, 35.4163



0.8705, 0.4125, 1.6789

Previews

White Background



This preview shows how the XYZ color 31.4309, 45.8431, 22.5213 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 31.4309, 45.8431, 22.5213 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 31.4309, 45.8431, 22.5213

Background



This preview shows how black text looks on a background with the XYZ color 31.4309, 45.8431, 22.5213.



This preview shows how white text looks on a background with the XYZ color 31.4309, 45.8431,

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

31.4309, 45.8431, 22.5213

Protanopia

41.8970, 45.5328, 19.9451

Deuteranopia

46.3414, 45.4120, 23.4625



Tritanopia

39.7472, 45.9410, 63.2725

Trichromacy



Original Color

31.4309, 45.8431, 22.5213



Protanomaly

37.0547, 45.1694, 20.9529



Deuteranomaly

39.2047, 44.3760, 23.0221



Tritanomaly

36.0970, 45.7525, 44.9588

Monochromacy



Original Color

31.4309, 45.8431, 22.5213



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.8712, 40.4954, 33.2253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4309, 45.8431, 22.5213 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(124, 198, 112)` looks like.

```
.text, #text, p{  
    color:rgb(124, 198, 112)  
}
```

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(124, 198, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 198, 112) }
```

Border

The CSS property to change the border of an element to XYZ 31.4309, 45.8431, 22.5213 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(124, 198, 112) }
```


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

```
.border{ border-color:rgb(124, 198, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 198, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 198, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 198, 112);  
box-shadow:4px 4px 4px 4px rgb(124, 198,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4309, 45.8431, 22.5213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 198, 112) }
```

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

```
.background{ background-color: rgb(124,  
198, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor