

Converting Colors

XYZ(30.8961, 45.5496, 20.3722)

Have a look what the booklet for
XYZ(30.8961, 45.5496, 20.3722)
contains.

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Color

**XYZ(30.8612, 45.5986,
20.2716)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC668
RGB	123, 198, 104
RGB Percent	48%, 78%, 41%
CMY	0.5176, 0.2235, 0.5921
CMYK	0.38, 0.00, 0.47, 0.22
HSL	108°, 45%, 59%
HSV	108°, 47%, 78%
XYZ	30.8612, 45.5986, 20.2716
YIQ	164.8590, -14.5260, -45.1340

Conversions

Conversions Part 2

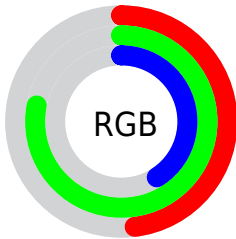
Format	Color
RYB	104, 198, 179
Decimal	8111720
CIELab	73.28, -41.19, 39.74
CIElCh	73, 57.231, 136.027
Yxy	45.5986, 0.3190, 0.4714
Android (android.graphics.Color)	4286301800 (0xFF7BC668)
YUV	164.8590, -30.0035, -36.7103
Hunter-Lab	67.5267, -36.5934, 29.4698

Details

The XYZ color **30.8612, 45.5986, 20.2716** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **33.7359, 23.5630, 56.1985**, and the grayscale version is **35.8419, 37.7084, 41.0645**.

A 20% lighter version of the original color is **60.4362, 83.5380, 44.8374**, and **13.0230, 21.4418, 6.9423** is the 20% darker color. If you saturate the color by 10%, you get **27.8909, 44.1716, 15.4851**, and if you desaturate by 10%, it is **34.4347, 47.3120, 26.3208**.

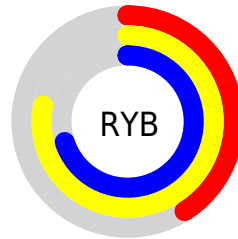
Distribution



Red (48%)

Green (78%)

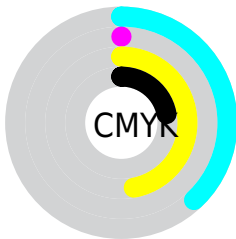
Blue (41%)



Red (41%)

Yellow (78%)

Blue (70%)

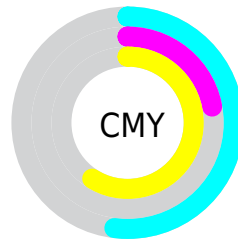


Cyan (38%)

Magenta (0%)

Yellow (47%)

Black (22%)



Cyan (52%)

Magenta (22%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8612, 45.5986, 20.2716 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 30.8612, 45.5986, 20.2716 by changing the saturation by 10% instead.

■ 30.8612, 45.5986,
20.2716

■ 30.8612, 45.5986,
20.2716

297.7367,
369.1925, 266.0344

■ 20.6445, 31.9292,
12.4066

■ 60.3988, 83.6179,
44.7370

■ 12.9754, 21.3074,
6.8953

■ 80.4504, 108.7367,
62.1745

■ 7.4885, 13.3489,
3.3193

■ 104.5110,
138.4406, 83.6399

■ 3.8184, 7.6692,
1.2599

■ 132.9460,
173.1142, 109.5517

■ 1.5999, 3.8840,
0.0286

166.1207,
213.1418, 140.3286

■ 0.3924, 1.6089,
0.0000

204.4005,

■ 0.0000, 0.3636,

258.9077, 176.3889

0.0000

248.1507,
310.7965, 218.1513

■ 0.0000, 0.0000,
0.0000

■ 30.8612, 45.5986,
20.2716

■ 30.8612, 45.5986,
20.2716

■ 27.8909, 44.1716,
15.4851

■ 34.4347, 47.3120,
26.3208

■ 25.4862, 43.0095,
11.8691

■ 38.6393, 49.3204,
33.7102

■ 23.6102, 42.0968,
9.3237


■ 43.5056, 51.6392,
42.5148


■ 22.2201, 41.4140,
7.7311


■ 49.0607, 54.2810,
52.8028


■ 21.2614, 40.9366,
6.9246

■ 55.3306, 57.2578,
64.6385

 21.0708, 40.8415,
6.7727

 62.3395, 60.5807,
78.0820

 70.1108, 64.2606,
93.1903

 77.4511, 67.8215,
103.6165

 79.4850, 68.8700,
103.7117

Harmonies

Analogous

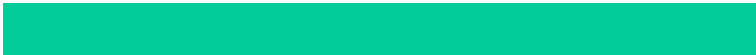
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.2181, 45.5986, 13.1789



30.8612, 45.5986, 20.2716



27.1543, 45.5986, 37.4421

Triad

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



30.8612, 45.5986, 20.2716



38.8368, 45.5986, 125.1040



64.7068, 45.5986, 35.8765

Complementary

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



30.8612, 45.5986, 20.2716



33.7359, 23.5630, 56.1985

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.



64.9413, 45.5986, 64.2570



30.8612, 45.5986, 20.2716



48.9005, 45.5986, 124.1554

Square

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



30.8612, 45.5986, 20.2716



31.2535, 45.5986, 101.1139



58.7974, 45.5986, 98.8763



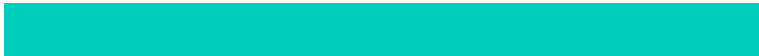
58.1991, 45.5986, 19.5092

Rectangle

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



30.8612, 45.5986, 20.2716



26.8150, 45.5986, 55.6929



58.7974, 45.5986, 98.8763



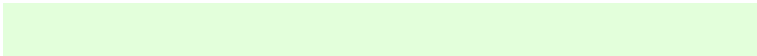
65.5526, 45.5986, 44.0593

Sweetspot

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



30.8623, 45.6005, 20.2726



80.1115, 92.9024, 80.9347



41.6369, 44.7024, 19.5314



16.7026, 19.6734, 16.5050



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.



30.8623, 45.6005, 20.2726



49.2072, 78.1294, 27.1391



29.9764, 44.9621, 28.4424



10.6944, 11.9894, 11.3133



13.7594, 26.5885, 4.4069



0.7121, 1.2902, 0.2115

Inverse Universe

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



33.7359, 23.5630, 56.1985



54.8345, 34.4045, 98.3584



35.6264, 24.8619, 41.6345



10.8651, 10.7042, 13.4110



15.8680, 7.4145, 35.3392



0.8061, 0.3793, 1.6759

Previews

White Background



This preview shows how the XYZ color 30.8612, 45.5986, 20.2716 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 30.8612, 45.5986, 20.2716 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 30.8612, 45.5986, 20.2716

Background



This preview shows how black text looks on a background with the XYZ color 30.8612, 45.5986, 20.2716.



This preview shows how white text looks on a background with the XYZ color 30.8612, 45.5986,

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

30.8612, 45.5986, 20.2716

Protanopia

41.3037, 44.9736, 17.8131

Deuteranopia

46.0474, 45.0252, 21.3027



Tritanopia

39.2462, 45.3804, 62.5679

Trichromacy



Original Color

30.8612, 45.5986, 20.2716

Protanomaly

36.4367, 44.5840, 18.7417

Deuteranomaly

38.7591, 44.1977, 20.6756

Tritanomaly

35.3453, 45.0831, 42.9154

Monochromacy



Original Color

30.8612, 45.5986, 20.2716

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.2577, 39.9115, 31.9374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8612, 45.5986, 20.2716 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(123, 198, 104)` looks like.

```
.text, #text, p{  
    color:rgb(123, 198, 104)  
}
```

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(123, 198, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 198, 104) }
```

Border

The CSS property to change the border of an element to XYZ 30.8612, 45.5986, 20.2716 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(123, 198, 104) }
```


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

```
.border{ border-color:rgb(123, 198, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 198, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 198, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 198, 104);  
box-shadow:4px 4px 4px 4px rgb(123, 198,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8612, 45.5986, 20.2716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 198, 104) }
```

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

```
.background{ background-color: rgb(123,  
198, 104) }
```

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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