

Converting Colors

XYZ(32.9336, 48.7565, 20.2659)

Have a look what the booklet for
XYZ(32.9336, 48.7565, 20.2659)
contains.

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Color

**XYZ(32.8932, 48.7342,
20.2434)**

Conversions

Conversions Part 1

Format	Color
Hex	80CC66
RGB	128, 204, 102
RGB Percent	50%, 80%, 40%
CMY	0.4980, 0.2000, 0.6000
CMYK	0.37, 0.00, 0.50, 0.20
HSL	105°, 50%, 60%
HSV	105°, 50%, 80%
XYZ	32.8932, 48.7342, 20.2434
YIQ	169.6480, -12.5540, -47.8340

Conversions

Conversions Part 2

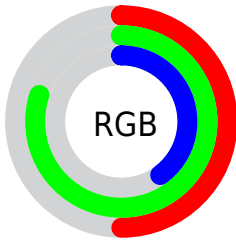
Format	Color
RYB	102, 204, 178
Decimal	8440934
CIELab	75.29, -42.43, 43.24
CIELCh	75, 60.581, 134.458
Yxy	48.7342, 0.3229, 0.4784
Android (android.graphics.Color)	4286631014 (0xFF80CC66)
YUV	169.6480, -33.3505, -36.5253
Hunter-Lab	69.8099, -38.0612, 31.6741

Details

The XYZ color **32.8932, 48.7342, 20.2434** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **34.0129, 23.3290, 59.8396**, and the grayscale version is **38.1994, 40.1888, 43.7656**.

A 20% lighter version of the original color is **61.4436, 84.0769, 44.0004**, and **14.0926, 23.1504, 6.8577** is the 20% darker color. If you saturate the color by 10%, you get **29.8860, 47.2883, 15.4560**, and if you desaturate by 10%, it is **36.4943, 50.4605, 26.3601**.

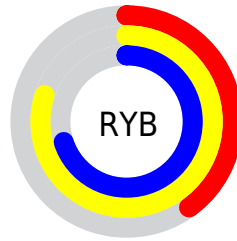
Distribution



Red (50%)

Green (80%)

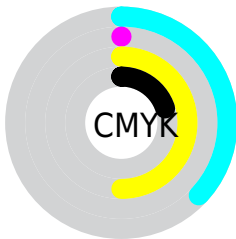
Blue (40%)



Red (40%)

Yellow (80%)

Blue (70%)

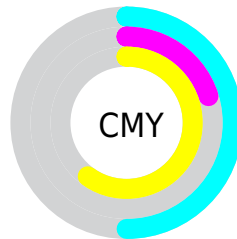


Cyan (37%)

Magenta (0%)

Yellow (50%)

Black (20%)



Cyan (50%)


Magenta (20%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8932, 48.7342, 20.2434 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 32.8932, 48.7342, 20.2434 by changing the saturation by 10% instead.


 32.8932, 48.7342,
20.2434


 32.8932, 48.7342,
20.2434


306.8417,
381.6950, 265.8774

 22.2035, 34.4087,
12.3863


 63.5645, 88.2966,
44.6892


 14.1239, 23.2077,
6.8816


 84.2769, 114.3022,
62.1150

 8.2892, 14.7470,
3.3108


 109.0608,
144.9700, 83.5673

 4.3339, 8.6420,
1.2555

 138.2817,
180.6843, 109.4649

 1.8927, 4.5084,
0.0249

172.3049,
221.8296, 140.2261

 0.5726, 1.9618,
0.0000

211.4957,

 0.0000, 0.5852,

268.7902, 176.2696

0.0000

256.2195,
321.9505, 218.0139

■ 0.0000, 0.0000,
0.0000

■ 32.8932, 48.7342,
20.2434

■ 32.8932, 48.7342,
20.2434

■ 29.8860, 47.2883,
15.4560

■ 36.4943, 50.4605,
26.3601

■ 27.4354, 46.1012,
11.8959

■ 40.7167, 52.4749,
33.8914

■ 25.5050, 45.1581,
9.4519


■ 45.5903, 54.7925,
42.9195


■ 24.0520, 44.4399,
7.9908


■ 51.1418, 57.4256,
53.5192


■ 23.0098, 43.9177,
7.2642


■ 57.3967, 60.3856,
65.7604

 23.0098, 43.9176,
7.2642

 64.3788, 63.6836,
79.7087

 72.1110, 67.3298,
95.4262

 78.9277, 70.6593,
104.0864

 80.8839, 71.6677,
104.1780

Harmonies

Analogous

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



41.1812, 48.7342, 13.0970



32.8932, 48.7342, 20.2434



28.6139, 48.7342, 38.2806

Triad

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



32.8932, 48.7342, 20.2434



40.8211, 48.7342, 136.6954



70.2803, 48.7342, 39.1876

Complementary

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



32.8932, 48.7342, 20.2434



34.0129, 23.3290, 59.8396

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.



70.1422, 48.7342, 71.2323



32.8932, 48.7342, 20.2434



51.8703, 48.7342, 137.2596

Square

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



32.8932, 48.7342, 20.2434



32.6661, 48.7342, 108.5887



62.9794, 48.7342, 109.9143



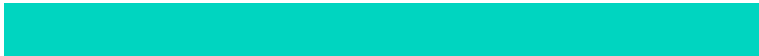
63.3311, 48.7342, 20.6773

Rectangle

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



32.8932, 48.7342, 20.2434



28.0966, 48.7342, 57.9704



62.9794, 48.7342, 109.9143



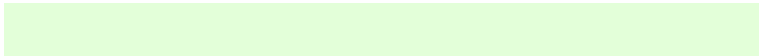
71.0926, 48.7342, 48.4411

Sweetspot

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



32.8944, 48.7363, 20.2445



79.7726, 92.7663, 79.1765



42.9848, 45.1642, 19.0232



16.6610, 19.6596, 16.1602



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.



32.8944, 48.7363, 20.2445



49.1420, 78.1416, 25.0632



30.8269, 47.5139, 27.2185



11.3316, 12.6728, 11.9283



14.5557, 27.6791, 4.5754



0.8232, 1.4652, 0.2394

Inverse Universe

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



34.0129, 23.3290, 59.8396



51.1216, 31.3224, 97.9592



37.9136, 25.6449, 46.2407



11.3976, 11.2542, 14.1419



15.1008, 6.9923, 36.5100



0.8466, 0.3956, 1.8867

Previews

White Background



This preview shows how the XYZ color 32.8932, 48.7342, 20.2434 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 32.8932, 48.7342, 20.2434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

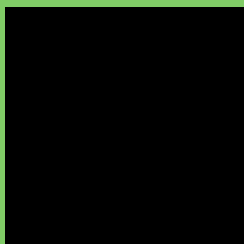
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8932, 48.7342, 20.2434

Background



This preview shows how black text looks on a background with the XYZ color 32.8932, 48.7342, 20.2434.



This preview shows how white text looks on a background with the XYZ color 32.8932, 48.7342,

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

32.8932, 48.7342, 20.2434

Protanopia

44.3164, 48.3615, 17.8255

Deuteranopia

49.0261, 48.0021, 21.1494



Tritanopia

42.0889, 48.3643, 66.7914

Trichromacy



Original Color

32.8932, 48.7342, 20.2434



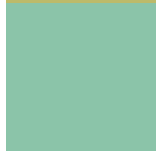
Protanomaly

38.9587, 47.8112, 18.7304



Deuteranomaly

41.1467, 46.9772, 20.5345



Tritanomaly

37.5488, 47.8334, 44.7899

Monochromacy



Original Color

32.8932, 48.7342, 20.2434



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.3564, 42.4688, 33.1219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8932, 48.7342, 20.2434 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(128, 204, 102)` looks like.

```
.text, #text, p{  
    color:rgb(128, 204, 102)  
}
```

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(128, 204, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 204, 102) }
```

Border

The CSS property to change the border of an element to XYZ 32.8932, 48.7342, 20.2434 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(128, 204, 102) }
```


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

```
.border{ border-color:rgb(128, 204, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 204, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 204, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 204, 102);  
box-shadow:4px 4px 4px 4px rgb(128, 204,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8932, 48.7342, 20.2434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 204, 102) }
```

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

```
.background{ background-color: rgb(128,  
204, 102) }
```

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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