

Converting Colors

XYZ(33.5040, 49.3399, 21.5591)

Have a look what the booklet for
XYZ(33.5040, 49.3399, 21.5591)
contains.

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Color

**XYZ(33.5384, 49.3913,
21.6757)**

Conversions

Conversions Part 1

Format	Color
Hex	81CD6B
RGB	129, 205, 107
RGB Percent	51%, 80%, 42%
CMY	0.4941, 0.1961, 0.5804
CMYK	0.37, 0.00, 0.48, 0.20
HSL	107°, 49%, 61%
HSV	107°, 48%, 80%
XYZ	33.5384, 49.3913, 21.6757
YIQ	171.1040, -13.8380, -46.5900

Conversions

Conversions Part 2

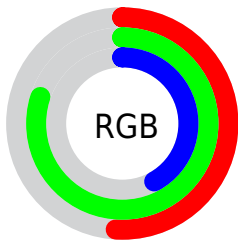
Format	Color
RYB	107, 205, 183
Decimal	8506731
CIELab	75.69, -41.91, 41.31
CIELCh	76, 58.850, 135.411
Yxy	49.3913, 0.3206, 0.4722
Android (android.graphics.Color)	4286696811 (0xFF81CD6B)
YUV	171.1040, -31.6033, -36.9252
Hunter-Lab	70.2789, -37.8047, 30.9088

Details

The XYZ color **33.5384, 49.3913, 21.6757** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **35.8079, 24.9920, 60.6969**, and the grayscale version is **38.9208, 40.9478, 44.5921**.

A 20% lighter version of the original color is **62.1127, 84.3724, 46.2695**, and **14.4442, 23.5541, 7.5265** is the 20% darker color. If you saturate the color by 10%, you get **30.3555, 47.8621, 16.5490**, and if you desaturate by 10%, it is **37.3553, 51.2207, 28.1687**.

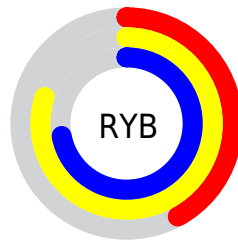
Distribution



Red (51%)

Green (80%)

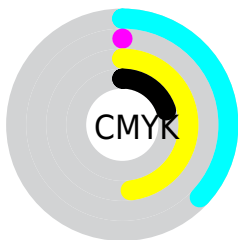
Blue (42%)



Red (42%)

Yellow (80%)

Blue (72%)

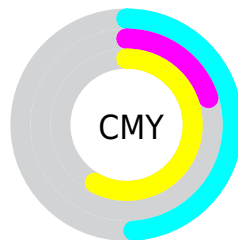


Cyan (37%)

Magenta (0%)

Yellow (48%)

Black (20%)



Cyan (49%)


Magenta (20%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5384, 49.3913, 21.6757 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 33.5384, 49.3913, 21.6757 by changing the saturation by 10% instead.


 33.5384, 49.3913,
21.6757


 33.5384, 49.3913,
21.6757


309.6911,
384.2808, 273.7460

 22.7004, 34.9300,
13.4228


 64.5643, 89.2723,
47.1047


 14.4919, 23.6089,
7.5862


 85.4829, 115.4609,
65.1179

 8.5476, 15.0438,
3.7474


 110.4924,
146.3272, 87.2215

 4.5020, 8.8501,
1.4878

 139.9582,
182.2559, 113.8342

 1.9899, 4.6436,
0.2088

174.2456,
223.6311, 145.3744

 0.6283, 2.0397,
0.0000

213.7200,

 0.0000, 0.6304,

270.8374, 182.2608

0.0000

258.7467,
324.2592, 224.9118

■ 0.0000, 0.0000,
0.0000

■ 33.5384, 49.3913,
21.6757

■ 33.5384, 49.3913,
21.6757

■ 30.3555, 47.8621,
16.5490

■ 37.3553, 51.2207,
28.1687

■ 27.7671, 46.6106,
12.6878

■ 41.8352, 53.3590,
36.1128

■ 25.7351, 45.6208,
9.9828


■ 47.0097, 55.8222,
45.5895


■ 24.2147, 44.8725,
8.3048


■ 52.9075, 58.6234,
56.6735


■ 23.1482, 44.3402,
7.4677

■ 59.5552, 61.7748,
69.4346

 22.9598, 44.2459,
7.3302

 66.9785, 65.2883,
83.9384

 75.2015, 69.1750,
100.2472

 81.1223, 72.1447,
104.2574

Harmonies

Analogous

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



41.5898, 49.3913, 14.1730



33.5384, 49.3913, 21.6757



29.4347, 49.3913, 40.0255

Triad

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



33.5384, 49.3913, 21.6757



41.8586, 49.3913, 135.3515



70.2019, 49.3913, 39.3456

Complementary

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



33.5384, 49.3913, 21.6757



35.8079, 24.9920, 60.6969

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.



70.3039, 49.3913, 70.3687



33.5384, 49.3913, 21.6757



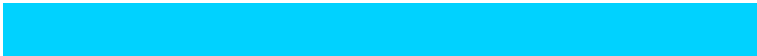
52.7411, 49.3913, 134.9392

Square

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



33.5384, 49.3913, 21.6757



33.7088, 49.3913, 108.8896



63.5188, 49.3913, 107.9171



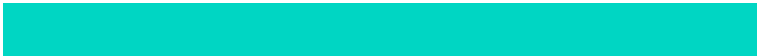
63.2588, 49.3913, 21.3448

Rectangle

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



33.5384, 49.3913, 21.6757



29.0100, 49.3913, 59.6434



63.5188, 49.3913, 107.9171



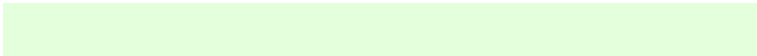
71.0693, 49.3913, 48.3117

Sweetspot

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



33.5396, 49.3934, 21.6768



80.3632, 93.0322, 80.9465



44.5880, 47.5534, 20.7393



16.7632, 19.7046, 16.5079



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.



33.5396, 49.3934, 21.6768



49.7581, 78.4134, 27.1649



32.1391, 48.4879, 29.9049



11.2997, 12.6564, 11.9268



14.3611, 27.5787, 4.5663



0.8086, 1.4577, 0.2387

Inverse Universe

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



35.8079, 24.9920, 60.6969



53.8272, 33.8853, 98.3112



38.5596, 26.7451, 45.7092



11.4317, 11.2718, 14.1435



15.8444, 7.3756, 36.5448



0.8796, 0.4126, 1.8882

Previews

White Background



This preview shows how the XYZ color 33.5384, 49.3913, 21.6757 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 33.5384, 49.3913, 21.6757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

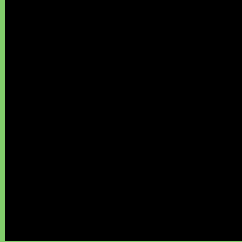
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5384, 49.3913, 21.6757

Background



This preview shows how black text looks on a background with the XYZ color 33.5384, 49.3913, 21.6757.



This preview shows how white text looks on a background with the XYZ color 33.5384, 49.3913,

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

33.5384, 49.3913, 21.6757

Protanopia

44.7610, 48.8753, 19.1313

Deuteranopia

49.8107, 48.6667, 22.6879



Tritanopia

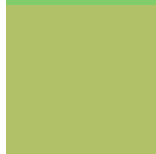
42.8330, 49.3901, 67.5973

Trichromacy



Original Color

33.5384, 49.3913, 21.6757



Protanomaly

39.6496, 48.4663, 20.0971



Deuteranomaly

41.8748, 47.6355, 22.0265



Tritanomaly

38.4557, 48.9422, 46.4497

Monochromacy



Original Color

33.5384, 49.3913, 21.6757



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.9891, 43.0730, 34.4341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5384, 49.3913, 21.6757 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(129, 205, 107)` looks like.

```
.text, #text, p{  
    color:rgb(129, 205, 107)  
}
```

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(129, 205, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 205, 107) }
```

Border

The CSS property to change the border of an element to XYZ 33.5384, 49.3913, 21.6757 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(129, 205, 107) }
```


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

```
.border{ border-color:rgb(129, 205, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 205, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 205, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 205, 107);  
box-shadow:4px 4px 4px 4px rgb(129, 205,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5384, 49.3913, 21.6757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 205, 107) }
```

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

```
.background{ background-color: rgb(129,  
205, 107) }
```

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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