

Converting Colors

XYZ(33.3138, 51.9405, 10.6968)

Have a look what the booklet for
XYZ(33.3138, 51.9405, 10.6968)
contains.

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Color

**XYZ(33.3582, 52.0941,
10.6799)**

Conversions

Conversions Part 1

Format	Color
Hex	83D42C
RGB	131, 212, 44
RGB Percent	51%, 83%, 17%
CMY	0.4863, 0.1686, 0.8274
CMYK	0.38, 0.00, 0.79, 0.17
HSL	89°, 66%, 50%
HSV	89°, 79%, 83%
XYZ	33.3582, 52.0941, 10.6799
YIQ	168.6290, 5.6520, -69.4200

Conversions

Conversions Part 2

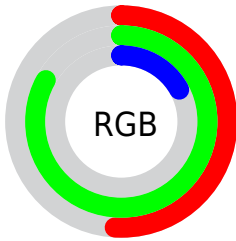
Format	Color
RYB	44, 212, 125
Decimal	8639532
CIELab	77.34, -49.63, 68.69
CIElCh	77, 84.742, 125.847
Yxy	52.0941, 0.3470, 0.5419
Android (android.graphics.Color)	4286829612 (0xFF83D42C)
YUV	168.6290, -61.4421, -33.0006
Hunter-Lab	72.1762, -43.8098, 41.7502

Details

The XYZ color **33.3582, 52.0941, 10.6799** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **21.2445, 10.9166, 63.2777**, and the grayscale version is **37.8222, 39.7919, 43.3333**.

A 20% lighter version of the original color is **59.2450, 83.3383, 26.0601**, and **14.7295, 25.4917, 4.1441** is the 20% darker color. If you saturate the color by 10%, you get **31.5513, 51.1992, 9.0200**, and if you desaturate by 10%, it is **35.5271, 53.1555, 13.4203**.

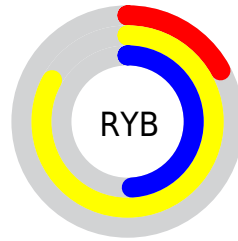
Distribution



Red (51%)

Green (83%)

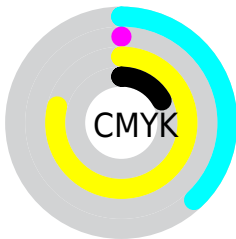
Blue (17%)



Red (17%)

Yellow (83%)

Blue (49%)

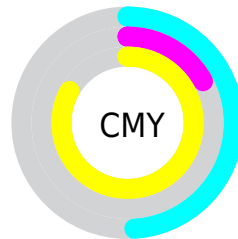


Cyan (38%)

Magenta (0%)

Yellow (79%)

Black (17%)



Cyan (49%)

Magenta (17%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3582, 52.0941, 10.6799 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 33.3582, 52.0941, 10.6799 by changing the saturation by 10% instead.

33.3582, 52.0941,
10.6799

33.3582, 52.0941,
10.6799

308.8972,
394.7998, 206.1161

22.5615, 37.0801,
5.7406

64.2853, 93.2700,
27.6943

14.3890, 25.2695,
2.6218

85.1465, 120.2007,
40.6064

8.4752, 16.2780,
0.9037

110.0932,
151.8724, 57.0131

4.4549, 9.7211,
0.0000

139.4908,
188.6695, 77.3331

1.9625, 5.2144,
0.0000

173.7046,
230.9764, 101.9849

0.6128, 2.3736,
0.0000

213.1001,

0.0000, 0.8123,

279.1774, 131.3869

0.0000

258.0425,
333.6571, 165.9578

■ 0.0000, 0.0000,
0.0000

■ 33.3582, 52.0941,
10.6799

■ 33.3582, 52.0941,
10.6799

■ 31.5513, 51.1992,
9.0200

■ 35.5271, 53.1555,
13.4203

■ 30.0531, 50.4434,
8.1987


■ 38.0860, 54.3896,
17.3816


■ 29.9477, 50.3901,
8.1479


■ 41.0634, 55.8101,
22.6867


■ 44.4834, 57.4273,
29.4427

■ 48.3683, 59.2502,
37.7456

 52.7384, 61.2877,
47.6835

 57.6127, 63.5476,
59.3377

 63.0092, 66.0375,
72.7840

 68.9448, 68.7647,
88.0940

Harmonies

Analogous

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



46.3945, 52.0941, 6.1233



33.3582, 52.0941, 10.6799



26.1004, 52.0941, 27.3893

Triad

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



33.3582, 52.0941, 10.6799



37.7832, 52.0941, 184.0613



87.6167, 52.0941, 48.0744

Complementary

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



33.3582, 52.0941, 10.6799



21.2445, 10.9166, 63.2777

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.



83.9013, 52.0941, 101.8542



33.3582, 52.0941, 10.6799



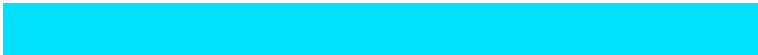
52.7700, 52.0941, 200.7120

Square

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



33.3582, 52.0941, 10.6799



28.2360, 52.0941, 127.0429



70.1899, 52.0941, 164.7700



79.4521, 52.0941, 18.7651

Rectangle

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



33.3582, 52.0941, 10.6799



24.4047, 52.0941, 50.4764



70.1899, 52.0941, 164.7700



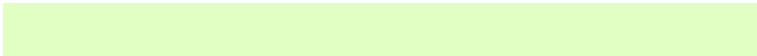
87.7346, 52.0941, 63.4619

Sweetspot

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



33.3594, 52.0964, 10.6810



76.6797, 91.4926, 64.5396



34.6169, 28.1987, 6.0020



15.9116, 19.3493, 12.6866



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.



33.3594, 52.0964, 10.6810



46.3441, 76.9681, 12.7861



25.2955, 47.9393, 10.3036



12.8697, 14.2090, 13.2250



18.6037, 31.1669, 5.0353



1.2175, 1.9290, 0.3082

Inverse Universe

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



21.2445, 10.9166, 63.2777



27.3290, 12.2125, 95.5246



38.3513, 19.7354, 64.0783



12.3067, 12.2995, 15.6629



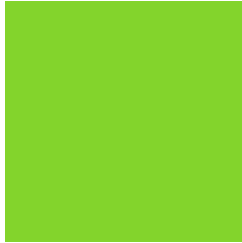
10.8492, 4.7455, 38.7973



0.7497, 0.3354, 2.3445

Previews

White Background



This preview shows how the XYZ color 33.3582, 52.0941, 10.6799 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 33.3582, 52.0941, 10.6799 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 33.3582, 52.0941, 10.6799

Background



This preview shows how black text looks on a background with the XYZ color 33.3582, 52.0941, 10.6799.



This preview shows how white text looks on a background with the XYZ color 33.3582, 52.0941,

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

33.3582, 52.0941, 10.6799

Protanopia

46.4949, 51.2630, 9.2779

Deuteranopia

52.3706, 51.1354, 11.2476



Tritanopia

45.3029, 51.6066, 70.5241

Trichromacy



Original Color

33.3582, 52.0941, 10.6799

Protanomaly

40.3443, 50.7317, 9.6733

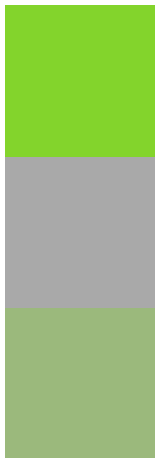
Deuteranomaly

43.0687, 50.1077, 10.8918

Tritanomaly

38.6421, 50.6191, 37.4396

Monochromacy



Original Color

33.3582, 52.0941, 10.6799

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

34.5046, 43.1217, 25.5735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3582, 52.0941, 10.6799 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(131, 212, 44)` looks like.

```
.text, #text, p{  
    color:rgb(131, 212, 44)  
}
```

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(131, 212, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 212, 44) }
```

Border

The CSS property to change the border of an element to XYZ 33.3582, 52.0941, 10.6799 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(131, 212, 44) }
```


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

```
.border{ border-color:rgb(131, 212, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 212, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 212, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 212, 44);  
box-shadow:4px 4px 4px 4px rgb(131, 212,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3582, 52.0941, 10.6799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 212, 44) }
```

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

```
.background{ background-color: rgb(131,  
212, 44) }
```

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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