

Converting Colors

XYZ(33.4237, 53.0809, 21.4046)

Have a look what the booklet for
XYZ(33.4237, 53.0809, 21.4046)
contains.

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Color

**XYZ(33.3042, 52.9597,
21.2989)**

Conversions

Conversions Part 1

Format	Color
Hex	6FD767
RGB	111, 215, 103
RGB Percent	44%, 84%, 40%
CMY	0.5647, 0.1568, 0.5961
CMYK	0.48, 0.00, 0.52, 0.16
HSL	116°, 58%, 62%
HSV	116°, 52%, 84%
XYZ	33.3042, 52.9597, 21.2989
YIQ	171.1360, -26.0320, -56.8800

Conversions

Conversions Part 2

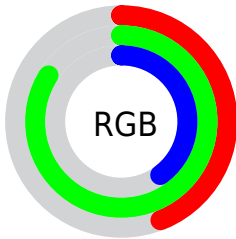
Format	Color
RYB	103, 215, 207
Decimal	7329639
CIELab	77.85, -52.03, 45.71
CIElCh	78, 69.261, 138.699
Yxy	52.9597, 0.3096, 0.4924
Android (android.graphics.Color)	4285519719 (0xFF6FD767)
YUV	171.1360, -33.5910, -52.7393
Hunter-Lab	72.7734, -45.6643, 33.5887

Details

The XYZ color **33.3042, 52.9597, 21.2989** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **42.8508, 27.8740, 67.4146**, and the grayscale version is **38.9512, 40.9797, 44.6269**.

A 20% lighter version of the original color is **58.1229, 82.3553, 44.2853**, and **14.3111, 25.7134, 7.3409** is the 20% darker color. If you saturate the color by 10%, you get **30.1235, 51.4306, 16.2232**, and if you desaturate by 10%, it is **37.3263, 54.8936, 27.8644**.

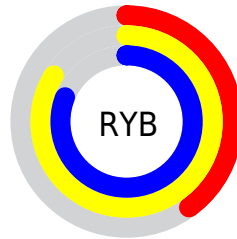
Distribution



Red (44%)

Green (84%)

Blue (40%)



Red (40%)

Yellow (84%)

Blue (81%)

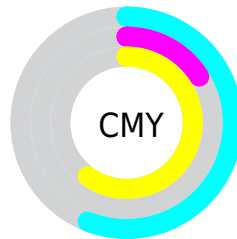


Cyan (48%)

Magenta (0%)

Yellow (52%)

Black (16%)



Cyan (56%)


Magenta (16%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3042, 52.9597, 21.2989 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 33.3042, 52.9597, 21.2989 by changing the saturation by 10% instead.


 33.3042, 52.9597,
21.2989


 33.3042, 52.9597,
21.2989


308.6591,
398.1305, 271.6958


 22.5199, 37.7706,
13.1493


 64.2017, 94.5451,
46.4717


 14.3582, 25.8047,
7.3995


 85.0456, 121.7101,
64.3320

 8.4536, 16.6776,
3.6310


 109.9734,
153.6359, 86.2662

 4.4408, 10.0049,
1.4252

 139.3506,
190.7069, 112.6929

 1.9544, 5.4022,
0.1612

173.5423,
233.3075, 144.0307

 0.6081, 2.4851,
0.0000

212.9141,

 0.0000, 0.8692,

281.8220, 180.6981

0.0000

257.8312,
336.6349, 223.1136

■ 0.0000, 0.0000,
0.0000

■ 33.3042, 52.9597,
21.2989

■ 33.3042, 52.9597,
21.2989

■ 30.1235, 51.4306,
16.2232

■ 37.3263, 54.8936,
27.8644

■ 27.7209, 50.2716,
12.5176

■ 42.2398, 57.2512,
36.0201

■ 26.0301, 49.4528,
10.0499

■ 48.0953, 60.0580,
45.8616

■ 24.9720, 48.9370,
8.6600

■ 54.9384, 63.3358,
57.4763

■ 24.5043, 48.7076,
8.1100

■ 62.8117, 67.1047,
70.9453

■ 71.7556, 71.3838,
86.3447

■ 81.8080, 76.1913,
103.7464

■ 83.5915, 77.0830,
105.0805

Harmonies

Analogous

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



42.4942, 52.9597, 12.1197



33.3042, 52.9597, 21.2989



29.0014, 52.9597, 44.3370

Triad

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



33.3042, 52.9597, 21.2989



45.4382, 52.9597, 165.0167



79.0132, 52.9597, 37.0334

Complementary

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



33.3042, 52.9597, 21.2989



42.8508, 27.8740, 67.4146

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.



80.1852, 52.9597, 73.4254



33.3042, 52.9597, 21.2989



59.0890, 52.9597, 160.0821

Square

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



33.3042, 52.9597, 21.2989



35.1277, 52.9597, 133.0972



72.3658, 52.9597, 121.6426



69.4022, 52.9597, 18.0067

Rectangle

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



33.3042, 52.9597, 21.2989



28.8605, 52.9597, 69.6041



72.3658, 52.9597, 121.6426



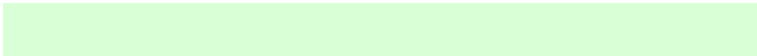
80.4636, 52.9597, 47.1742

Sweetspot

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



33.3055, 52.9619, 21.3001



76.5722, 91.1544, 77.3111



52.4661, 59.4113, 21.5351



15.9424, 19.2966, 15.7888



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.



33.3055, 52.9619, 21.3001



43.7188, 75.3877, 22.9193



35.3739, 53.6782, 37.2117



12.3437, 13.9379, 13.2004



14.6890, 29.1488, 4.8521



0.9154, 1.7733, 0.2940

Inverse Universe

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



42.8508, 27.8740, 67.4146



59.2287, 34.4367, 98.1330



39.9755, 26.9886, 40.3130



12.8614, 12.5855, 15.6889



21.5652, 10.2698, 39.2988



1.3275, 0.6332, 2.3716

Previews

White Background



This preview shows how the XYZ color 33.3042, 52.9597, 21.2989 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 33.3042, 52.9597, 21.2989 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 33.3042, 52.9597, 21.2989

Background



This preview shows how black text looks on a background with the XYZ color 33.3042, 52.9597, 21.2989.



This preview shows how white text looks on a background with the XYZ color 33.3042, 52.9597,

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

33.3042, 52.9597, 21.2989

Protanopia

47.5603, 51.9367, 18.3446

Deuteranopia

53.2015, 51.9272, 22.2579



Tritanopia

43.8984, 52.5064, 74.8389

Trichromacy



Original Color

33.3042, 52.9597, 21.2989



Protanomaly

40.5381, 51.3044, 19.3214



Deuteranomaly

42.9848, 50.4851, 21.6664



Tritanomaly

38.8528, 52.2356, 49.6297

Monochromacy



Original Color

33.3042, 52.9597, 21.2989



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.3531, 44.0055, 33.8247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3042, 52.9597, 21.2989 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(111, 215, 103)` looks like.

```
.text, #text, p{  
    color:rgb(111, 215, 103)  
}
```

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(111, 215, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 215, 103) }
```

Border

The CSS property to change the border of an element to XYZ 33.3042, 52.9597, 21.2989 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(111, 215, 103) }
```


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

```
.border{ border-color:rgb(111, 215, 103) }
```

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

Here you see how a box with a 4 pixel rgb(111, 215, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 215, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 215, 103);  
box-shadow:4px 4px 4px 4px rgb(111, 215,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3042, 52.9597, 21.2989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 215, 103) }
```

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

```
.background{ background-color: rgb(111,  
215, 103) }
```

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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