

Converting Colors

XYZ(21.3650, 33.7028, 14.5528)

Have a look what the booklet for
XYZ(21.3650, 33.7028, 14.5528)
contains.

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Color

**XYZ(21.3079, 33.5382,
14.5830)**

Conversions

Conversions Part 1

Format	Color
Hex	5AAF58
RGB	90, 175, 88
RGB Percent	35%, 69%, 35%
CMY	0.6471, 0.3137, 0.6549
CMYK	0.49, 0.00, 0.50, 0.31
HSL	119°, 35%, 52%
HSV	119°, 50%, 69%
XYZ	21.3079, 33.5382, 14.5830
YIQ	139.6670, -22.7330, -45.0770

Conversions

Conversions Part 2

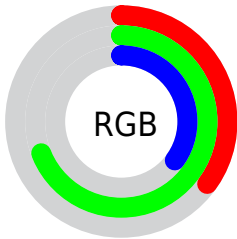
Format	Color
RYB	88, 175, 173
Decimal	5943128
CIELab	64.59, -43.65, 36.63
CIELCh	65, 56.980, 139.997
Yxy	33.5382, 0.3069, 0.4831
Android (android.graphics.Color)	4284133208 (0xFF5AAF58)
YUV	139.6670, -25.4718, -43.5580
Hunter-Lab	57.9122, -35.6700, 25.6086

Details

The XYZ color **21.3079, 33.5382, 14.5830** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.4628, 18.9599, 42.7187**, and the grayscale version is **24.9007, 26.1975, 28.5291**.

A 20% lighter version of the original color is **44.9866, 65.0650, 34.9987**, and **7.8908, 14.3569, 4.2747** is the 20% darker color. If you saturate the color by 10%, you get **19.1923, 32.5225, 11.1437**, and if you desaturate by 10%, it is **23.9817, 34.8235, 18.9581**.

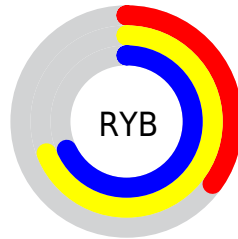
Distribution



Red (35%)

Green (69%)

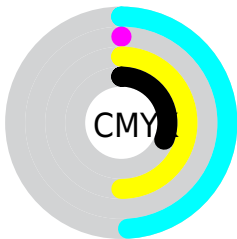
Blue (35%)



Red (35%)

Yellow (69%)

Blue (68%)

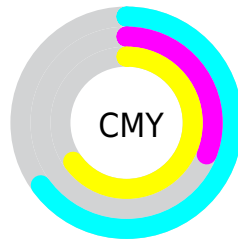


Cyan (49%)

Magenta (0%)

Yellow (50%)

Black (31%)



Cyan (65%)


Magenta (31%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3079, 33.5382, 14.5830 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 21.3079, 33.5382, 14.5830 by changing the saturation by 10% instead.


 21.3079, 33.5382,
14.5830


 21.3079, 33.5382,
14.5830


251.6112,
318.0680, 232.3813


 13.4630, 22.5391,
8.3839


 45.0868, 65.2149,
34.8519


 7.8273, 14.2535,
4.2503


 61.7516, 86.6612,
49.7587

 4.0355, 8.2972,
1.7636


 82.0870, 112.3587,
68.4052

 1.7223, 4.2857,
0.4038

 106.4584,
142.6918, 91.2098

 0.4701, 1.8346,
0.0000

135.2311,
178.0449, 118.5913

 0.0000, 0.5086,
0.0000

168.7706,

 0.0000, 0.0000,

218.8024, 150.9680

0.0000

207.4422,
265.3486, 188.7585

■ 21.3079, 33.5382,
14.5830

■ 21.3079, 33.5382,
14.5830

■ 19.1923, 32.5225,
11.1437

■ 23.9817, 34.8235,
18.9581

■ 17.5932, 31.7535,
8.5701

■ 27.2468, 36.3912,
24.3281

■ 16.4671, 31.2112,
6.7859


■ 31.1364, 38.2583,
30.7496


■ 15.7621, 30.8711,
5.7003

■ 35.6808, 40.4392,
38.2744


■ 15.3898, 30.6915,
5.1273


■ 40.9081, 42.9474,
46.9511

 15.3810, 30.6872,
5.1126

 46.8450, 45.7955,
56.8251

 53.5165, 48.9957,
67.9395

 60.9466, 52.5594,
80.3353

 69.1581, 56.4975,
94.0515

Harmonies

Analogous

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



26.8081, 33.5382, 8.4802



21.3079, 33.5382, 14.5830



18.7905, 33.5382, 29.2572

Triad

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



21.3079, 33.5382, 14.5830



29.2294, 33.5382, 101.0282



49.0059, 33.5382, 23.2083

Complementary

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



21.3079, 33.5382, 14.5830



28.4628, 18.9599, 42.7187

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.



49.9541, 33.5382, 44.8891



21.3079, 33.5382, 14.5830



37.5478, 33.5382, 97.0884

Square

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



21.3079, 33.5382, 14.5830



22.8196, 33.5382, 82.8703



45.4656, 33.5382, 73.6759



43.0608, 33.5382, 11.7830

Rectangle

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



21.3079, 33.5382, 14.5830



18.7903, 33.5382, 44.8846



45.4656, 33.5382, 73.6759



49.9544, 33.5382, 29.2606

Sweetspot

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



21.3087, 33.5396, 14.5837



59.2392, 70.1852, 60.8229



34.2137, 39.3634, 15.0277



12.8016, 15.4243, 12.9145



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.3087, 33.5396, 14.5837



33.9409, 58.0372, 19.2613



23.2915, 34.3105, 26.0258



7.9209, 8.9478, 8.5230



11.0216, 21.9789, 3.6615



0.3120, 0.6142, 0.1021

Inverse Universe

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



28.4628, 18.9599, 42.7187



48.2659, 28.8068, 75.6532



25.5011, 17.8267, 24.7987



8.3186, 8.1386, 10.0852



17.5729, 8.4190, 29.7434



0.4944, 0.2371, 0.8277

Previews

White Background



This preview shows how the XYZ color 21.3079, 33.5382, 14.5830 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 21.3079, 33.5382, 14.5830 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 21.3079, 33.5382, 14.5830

Background



This preview shows how black text looks on a background with the XYZ color 21.3079, 33.5382, 14.5830.



This preview shows how white text looks on a background with the XYZ color 21.3079, 33.5382,

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

21.3079, 33.5382, 14.5830

Protanopia

30.3869, 33.1417, 12.5800

Deuteranopia

33.7993, 33.1399, 15.4417



Tritanopia

27.7977, 33.3758, 47.0966

Trichromacy



Original Color

21.3079, 33.5382, 14.5830

Protanomaly

25.8528, 32.5853, 13.3145

Deuteranomaly

27.2955, 31.9987, 14.8630

Tritanomaly

24.7783, 33.2450, 31.8990

Monochromacy



Original Color

21.3079, 33.5382, 14.5830

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

22.8685, 28.3005, 22.3464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3079, 33.5382, 14.5830 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(90, 175, 88)` looks like.

```
.text, #text, p{  
    color:rgb(90, 175, 88)  
}
```

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(90, 175, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 175, 88) }
```

Border

The CSS property to change the border of an element to XYZ 21.3079, 33.5382, 14.5830 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(90, 175, 88) }
```


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

```
.border{ border-color:rgb(90, 175, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 175, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 175, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 175, 88);  
box-shadow:4px 4px 4px 4px rgb(90, 175,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3079, 33.5382, 14.5830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 175, 88) }
```

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

```
.background{ background-color: rgb(90, 175,  
88) }
```

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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