

Converting Colors

XYZ(21.5442, 33.8658, 14.6014)

Have a look what the booklet for
XYZ(21.5442, 33.8658, 14.6014)
contains.

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Color

**XYZ(21.6012, 33.9794,
14.6527)**

Conversions

Conversions Part 1

Format	Color
Hex	5BB058
RGB	91, 176, 88
RGB Percent	36%, 69%, 35%
CMY	0.6431, 0.3098, 0.6549
CMYK	0.48, 0.00, 0.50, 0.31
HSL	118°, 36%, 52%
HSV	118°, 50%, 69%
XYZ	21.6012, 33.9794, 14.6527
YIQ	140.5530, -22.4120, -45.3880

Conversions

Conversions Part 2

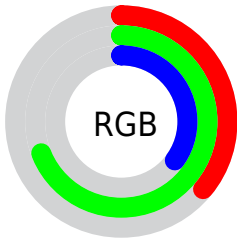
Format	Color
RYB	88, 176, 173
Decimal	6008920
CIELab	64.95, -43.78, 37.07
CIELCh	65, 57.366, 139.741
Yxy	33.9794, 0.3076, 0.4838
Android (android.graphics.Color)	4284199000 (0xFF5BB058)
YUV	140.5530, -25.9086, -43.4580
Hunter-Lab	58.2919, -35.8640, 25.9007

Details

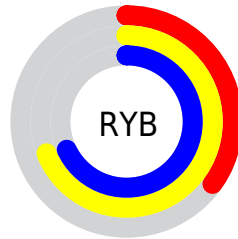
The XYZ color **21.6012, 33.9794, 14.6527** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.5614, 18.9994, 43.2380**, and the grayscale version is **25.2476, 26.5625, 28.9265**.

A 20% lighter version of the original color is **45.4443, 65.7177, 35.1006**, and **8.0448, 14.6195, 4.3173** is the 20% darker color. If you saturate the color by 10%, you get **19.4683, 32.9552, 11.1960**, and if you desaturate by 10%, it is **24.2914, 35.2726, 19.0556**.

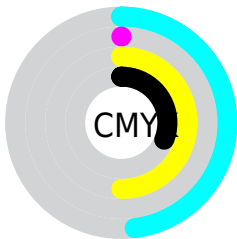
Distribution



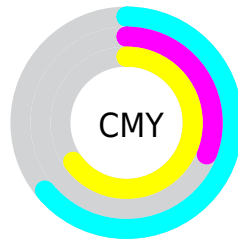
- Red (36%)
- Green (69%)
- Blue (35%)



- Red (35%)
- Yellow (69%)
- Blue (68%)



- Cyan (48%)
- Magenta (0%)
- Yellow (50%)
- Black (31%)





- Cyan (64%)
- Magenta (31%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6012, 33.9794, 14.6527 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 21.6012, 33.9794, 14.6527 by changing the saturation by 10% instead.


 21.6012, 33.9794,
14.6527


 21.6012, 33.9794,
14.6527


253.1282,
320.0402, 232.8223


 13.6791, 22.8778,
8.4321


 45.5698, 65.9016,
34.9764


 7.9780, 14.5033,
4.2810


 62.3469, 87.4910,
49.9166


 4.1326, 8.4715,
1.7807


 82.8065, 113.3451,
68.6003

 1.7774, 4.3981,
0.4152

 107.3139,
143.8484, 91.4463

 0.5040, 1.8987,
0.0000

 136.2344,
179.3851, 118.8729

 0.0000, 0.5476,
0.0000

169.9334,

 0.0000, 0.0000,

220.3397, 151.2987

0.0000

208.7762,
267.0966, 189.1424

■ 21.6012, 33.9794,
14.6527

■ 21.6012, 33.9794,
14.6527

■ 19.4683, 32.9552,
11.1960

■ 24.2914, 35.2726,
19.0556

■ 17.8514, 32.1771,
8.6142

■ 27.5717, 36.8473,
24.4647

■ 16.7074, 31.6257,
6.8296


■ 31.4749, 38.7203,
30.9376

■ 15.9853, 31.2765,
5.7498


■ 36.0312, 40.9058,
38.5269


■ 15.6011, 31.0907,
5.1789


■ 41.2683, 43.4174,
47.2818

 15.6011, 31.0907,
5.1788

 47.2128, 46.2674,
57.2485

 53.8895, 49.4679,
68.4707

 61.3221, 53.0301,
80.9900

 69.5334, 56.9651,
94.8460

Harmonies

Analogous

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



27.2090, 33.9794, 8.5272



21.6012, 33.9794, 14.6527



19.0203, 33.9794, 29.4527

Triad

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



21.6012, 33.9794, 14.6527



29.5415, 33.9794, 102.4968



49.7303, 33.9794, 23.6284

Complementary

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



21.6012, 33.9794, 14.6527



28.5614, 18.9994, 43.2380

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.



50.6446, 33.9794, 45.7325



21.6012, 33.9794, 14.6527



37.9814, 33.9794, 98.6947

Square

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



21.6012, 33.9794, 14.6527



23.0568, 33.9794, 83.8765



46.0422, 33.9794, 75.0063



43.7237, 33.9794, 11.9609

Rectangle

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



21.6012, 33.9794, 14.6527



19.0027, 33.9794, 45.2661



46.0422, 33.9794, 75.0063



50.6784, 33.9794, 29.8032

Sweetspot

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



21.6020, 33.9808, 14.6535



60.8462, 72.0283, 62.3701



34.3440, 39.2894, 15.0065



12.8253, 15.4365, 12.9156



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.



21.6020, 33.9808, 14.6535



34.9567, 59.5985, 19.7407



23.4209, 34.6749, 25.7438



8.4149, 9.5034, 9.0434



11.4565, 22.8161, 3.8001



0.3693, 0.7224, 0.1200

Inverse Universe

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



28.5614, 18.9994, 43.2380



49.0142, 29.2815, 77.5639



25.8678, 17.9994, 25.5538



8.8208, 8.6317, 10.7075



17.9240, 8.5759, 30.8476



0.5728, 0.2744, 0.9710

Previews

White Background



This preview shows how the XYZ color 21.6012, 33.9794, 14.6527 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 21.6012, 33.9794, 14.6527 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 21.6012, 33.9794, 14.6527

Background



This preview shows how black text looks on a background with the XYZ color 21.6012, 33.9794, 14.6527.



This preview shows how white text looks on a background with the XYZ color 21.6012, 33.9794,

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

21.6012, 33.9794, 14.6527

Protanopia

30.7758, 33.5923, 12.6465

Deuteranopia

34.2071, 33.5861, 15.5063



Tritanopia

28.2033, 33.8421, 47.6935

Trichromacy



Original Color

21.6012, 33.9794, 14.6527



Protanomaly

26.2034, 33.0307, 13.3820



Deuteranomaly

27.6563, 32.4390, 14.9289



Tritanomaly

25.1566, 33.7083, 32.3746

Monochromacy



Original Color

21.6012, 33.9794, 14.6527



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.2368, 28.7273, 22.7326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6012, 33.9794, 14.6527 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(91, 176, 88)` looks like.

```
.text, #text, p{  
    color:rgb(91, 176, 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(91, 176, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 176, 88) }
```

Border

The CSS property to change the border of an element to XYZ 21.6012, 33.9794, 14.6527 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(91, 176, 88) }
```


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

```
.border{ border-color:rgb(91, 176, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 176, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 176, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 176, 88);  
box-shadow:4px 4px 4px 4px rgb(91, 176,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6012, 33.9794, 14.6527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 176, 88) }
```

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

```
.background{ background-color: rgb(91, 176,  
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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