

Converting Colors

XYZ(20.0919, 33.3903, 5.3860)

Have a look what the booklet for
XYZ(20.0919, 33.3903, 5.3860)
contains.

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Color

**XYZ(20.1414, 33.4304,
5.3911)**

Conversions

Conversions Part 1

Format	Color
Hex	5EB000
RGB	94, 176, 0
RGB Percent	37%, 69%, 0%
CMY	0.6314, 0.3098, 0.9999
CMYK	0.47, 0.00, 1.00, 0.31
HSL	88°, 100%, 35%
HSV	88°, 100%, 69%
XYZ	20.1414, 33.4304, 5.3911
YIQ	131.4180, 7.6240, -72.1200

Conversions

Conversions Part 2

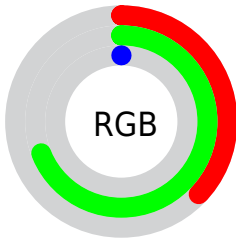
Format	Color
RYB	0, 176, 82
Decimal	6205440
CIELab	64.51, -48.92, 65.37
CIELCh	65, 81.646, 126.813
Yxy	33.4304, 0.3416, 0.5670
Android (android.graphics.Color)	4284395520 (0xFF5EB000)
YUV	131.4180, -64.7891, -32.8156
Hunter-Lab	57.8190, -39.0024, 34.9451

Details

The XYZ color **20.1414, 33.4304, 5.3911** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **11.3185, 4.9298, 41.4313**, and the grayscale version is **21.9476, 23.0906, 25.1456**.

A 20% lighter version of the original color is **43.1100, 64.9104, 17.0943**, and **7.5897, 14.4271, 2.3847** is the 20% darker color. If you saturate the color by 10%, you get **20.1413, 33.4314, 5.3914**, and if you desaturate by 10%, it is **21.1344, 33.9311, 5.9914**.

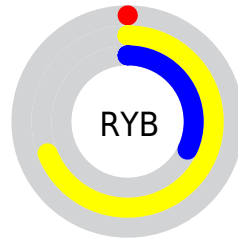
Distribution



Red (37%)

Green (69%)

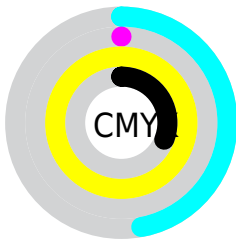
Blue (0%)



Red (0%)

Yellow (69%)

Blue (32%)

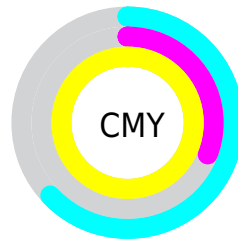


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (63%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1414, 33.4304, 5.3911 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 20.1414, 33.4304, 5.3911 by changing the saturation by 10% instead.


 20.1414, 33.4304,
5.3911


 20.1414, 33.4304,
5.3911


245.4986,
317.5847, 162.6195


 12.6067, 22.4564,
2.4158


 43.1563, 65.0469,
17.1086


 7.2334, 14.1926,
0.7950


 59.3672, 86.4582,
26.6880


 3.6561, 8.2548,
0.0000


 79.2009, 112.1173,
39.3057

 1.5095, 4.2584,
0.0000

 103.0227,
142.4087, 55.3804

 0.3323, 1.8191,
0.0000

 131.1980,
177.7167, 75.3305

 0.0000, 0.4991,
0.0000

 164.0922,

 0.0000, 0.0000,

218.4258, 99.5748

0.0000

202.0706,
264.9203, 128.5315

20.1414, 33.4304,
5.3911

20.1414, 33.4304,
5.3911

20.1413, 33.4314,
5.3914

21.1344, 33.9311,
5.9914

22.3132, 34.5156,
7.0931

23.7178, 35.2014,
8.8906

25.3680, 35.9966,
11.4746

27.2807, 36.9084,
14.9225

■ 29.4712, 37.9429,
19.3021

■ 31.9532, 39.1061,
24.6747

■ 34.7394, 40.4032,
31.0962

■ 37.8418, 41.8392,
38.6184

Harmonies

Analogous

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



29.1877, 33.4304, 2.6195



20.1414, 33.4304, 5.3911



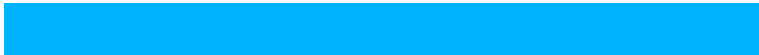
15.2957, 33.4304, 16.5145

Triad

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



20.1414, 33.4304, 5.3911



23.7366, 33.4304, 133.1209



59.6519, 33.4304, 29.3000

Complementary

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



20.1414, 33.4304, 5.3911



11.3185, 4.9298, 41.4313

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.



57.1710, 33.4304, 68.0002



20.1414, 33.4304, 5.3911



34.5100, 33.4304, 144.6799

Square

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



20.1414, 33.4304, 5.3911



16.9887, 33.4304, 90.0462



47.1970, 33.4304, 115.8416



53.3250, 33.4304, 9.8837

Rectangle

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



20.1414, 33.4304, 5.3911



14.2300, 33.4304, 32.9441



47.1970, 33.4304, 115.8416



59.8402, 33.4304, 40.0896

Sweetspot

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



20.1422, 33.4318, 5.3918



57.6957, 70.8035, 44.1822



20.7166, 14.8529, 1.7755



12.0910, 15.1512, 8.6673



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.



20.1422, 33.4318, 5.3918



36.2635, 60.4943, 9.7653



15.6365, 31.1091, 5.1810



8.8078, 9.7060, 9.0618



14.8455, 24.5632, 3.9587



0.5336, 0.8072, 0.1277

Inverse Universe

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



11.3185, 4.9298, 41.4313



20.2689, 8.8072, 75.1270



23.8166, 11.3728, 42.0162



8.4058, 8.4177, 10.6881



8.3698, 3.6506, 30.4005



0.3309, 0.1497, 0.9597

Previews

White Background



This preview shows how the XYZ color 20.1414, 33.4304, 5.3911 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 20.1414, 33.4304, 5.3911 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 20.1414, 33.4304, 5.3911

Background



This preview shows how black text looks on a background with the XYZ color 20.1414, 33.4304, 5.3911.



This preview shows how white text looks on a background with the XYZ color 20.1414, 33.4304,

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

20.1414, 33.4304, 5.3911

Protanopia

29.7930, 33.0070, 4.8007

Deuteranopia

33.6733, 33.0429, 6.2722



Tritanopia

28.4137, 33.4382, 46.5516

Trichromacy



Original Color

20.1414, 33.4304, 5.3911

Protanomaly

24.9513, 32.3054, 4.9205

Deuteranomaly

26.6796, 31.8865, 5.5592

Tritanomaly

23.1676, 32.3857, 20.6528

Monochromacy



Original Color

20.1414, 33.4304, 5.3911

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

19.4663, 25.3435, 12.0494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1414, 33.4304, 5.3911 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(94, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 176, 0)  
}
```

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(94, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.1414, 33.4304, 5.3911 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(94, 176, 0) }
```


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

```
.border{ border-color:rgb(94, 176, 0) }
```

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

Here you see how a box with a 4 pixel rgb(94, 176, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 176, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.1414, 33.4304, 5.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 176, 0) }
```

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

```
.background{ background-color: rgb(94, 176,  
0) }
```

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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