

Converting Colors

XYZ(21.7773, 34.2741, 5.4690)

Have a look what the booklet for
XYZ(21.7773, 34.2741, 5.4690)
contains.

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Color

**XYZ(21.8320, 34.3019,
5.4703)**

Conversions

Conversions Part 1

Format	Color
Hex	6DB000
RGB	109, 176, 0
RGB Percent	43%, 69%, 0%
CMY	0.5726, 0.3098, 0.9999
CMYK	0.38, 0.00, 1.00, 0.31
HSL	83°, 100%, 35%
HSV	83°, 100%, 69%
XYZ	21.8320, 34.3019, 5.4703
YIQ	135.9030, 16.5640, -68.9400

Conversions

Conversions Part 2

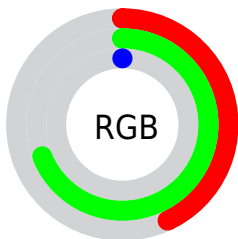
Format	Color
RYB	0, 176, 67
Decimal	7188480
CIELab	65.20, -43.79, 66.20
CIELCh	65, 79.379, 123.485
Yxy	34.3019, 0.3544, 0.5568
Android (android.graphics.Color)	4285378560 (0xFF6DB000)
YUV	135.9030, -67.0002, -23.5939
Hunter-Lab	58.5678, -35.9552, 35.4597

Details

The XYZ color **21.8320, 34.3019, 5.4703** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **10.1534, 4.3293, 41.3768**, and the grayscale version is **23.6057, 24.8350, 27.0453**.

A 20% lighter version of the original color is **45.8870, 66.3420, 17.2243**, and **8.4482, 14.8697, 2.4249** is the 20% darker color. If you saturate the color by 10%, you get **21.8318, 34.3029, 5.4705**, and if you desaturate by 10%, it is **22.7949, 34.7871, 6.0692**.

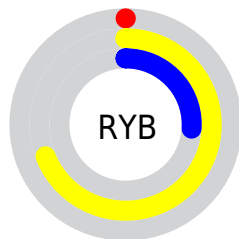
Distribution



Red (43%)

Green (69%)

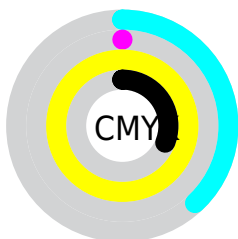
Blue (0%)



Red (0%)

Yellow (69%)

Blue (26%)

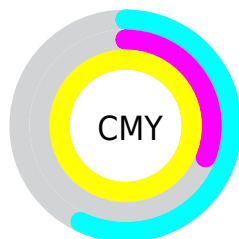


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (57%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8320, 34.3019, 5.4703 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 21.8320, 34.3019, 5.4703 by changing the saturation by 10% instead.


 21.8320, 34.3019,
5.4703

 21.8320, 34.3019,
5.4703


254.3166,
321.4761, 163.3844


 13.8494, 23.1256,
2.4622


 45.9491, 66.4029,
17.2794

 8.0970, 14.6863,
0.8200


 62.8143, 88.0964,
26.9175


 4.2094, 8.5995,
0.0000


 83.3711, 114.0644,
39.6028

 1.8213, 4.4809,
0.0000

 107.9849,
144.6913, 55.7536

 0.5304, 1.9460,
0.0000

 137.0210,
180.3615, 75.7887

 0.0000, 0.5758,
0.0000

 170.8447,

 0.0000, 0.0000,

221.4595, 100.1265

0.0000

209.8215,
268.3696, 129.1855

■ 21.8320, 34.3019,
5.4703

■ 21.8320, 34.3019,
5.4703

■ 21.8318, 34.3029,
5.4705

■ 22.7949, 34.7871,
6.0692

■ 23.9158, 35.3418,
7.1684

■ 25.2334, 35.9828,
8.9619

■ 26.7664, 36.7176,
11.5406

■ 28.5306, 37.5527,
14.9816

■ 30.5400, 38.4939,
19.3530

■ 32.8075, 39.5465,
24.7157

■ 35.3448, 40.7153,
31.1257

■ 38.1628, 42.0047,
38.6349

Harmonies

Analogous

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



31.2730, 34.3019, 3.0546



21.8320, 34.3019, 5.4703



16.5095, 34.3019, 15.5609

Triad

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



21.8320, 34.3019, 5.4703



23.6689, 34.3019, 127.9133



60.1345, 34.3019, 33.6187

Complementary

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



21.8320, 34.3019, 5.4703



10.1534, 4.3293, 41.3768

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.



56.7526, 34.3019, 73.4943



21.8320, 34.3019, 5.4703



33.9700, 34.3019, 143.4157

Square

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



21.8320, 34.3019, 5.4703



17.3811, 34.3019, 84.5061



46.4365, 34.3019, 119.3380



54.8236, 34.3019, 12.1199

Rectangle

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



21.8320, 34.3019, 5.4703



15.1569, 34.3019, 30.5947



46.4365, 34.3019, 119.3380



59.9809, 34.3019, 45.0306

Sweetspot

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



21.8328, 34.3034, 5.4710



59.2666, 71.6133, 44.2557



19.7698, 12.9593, 1.4599



12.4675, 15.3453, 8.6849



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.



21.8328, 34.3034, 5.4710



39.3338, 62.0772, 9.9090



15.8907, 31.2402, 5.1930



8.8774, 9.7419, 9.0650



16.0843, 25.2018, 4.0167



0.5686, 0.8252, 0.1293

Inverse Universe

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



10.1534, 4.3293, 41.3768



18.1788, 7.7297, 75.0291



20.8871, 9.8627, 41.8791



8.3376, 8.3826, 10.6849



7.5094, 3.2071, 30.3602



0.3024, 0.1350, 0.9584

Previews

White Background



This preview shows how the XYZ color 21.8320, 34.3019, 5.4703 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 21.8320, 34.3019, 5.4703 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 21.8320, 34.3019, 5.4703

Background



This preview shows how black text looks on a background with the XYZ color 21.8320, 34.3019, 5.4703.



This preview shows how white text looks on a background with the XYZ color 21.8320, 34.3019,

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

21.8320, 34.3019, 5.4703

Protanopia

30.5870, 33.9187, 4.9349

Deuteranopia

34.3395, 33.6220, 6.2699



Tritanopia

30.1134, 34.3144, 46.6312

Trichromacy



Original Color

21.8320, 34.3019, 5.4703

Protanomaly

26.5920, 33.6826, 5.0998

Deuteranomaly

28.2688, 32.9612, 5.6313

Tritanomaly

24.8684, 33.2625, 20.7324

Monochromacy



Original Color

21.8320, 34.3019, 5.4703

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.3911, 27.2570, 13.1505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8320, 34.3019, 5.4703 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(109, 176, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 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(109, 176, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 176, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.8320, 34.3019, 5.4703 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(109, 176, 0) }
```


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

```
.border{ border-color:rgb(109, 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(109, 176, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 176, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 176, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 176,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8320, 34.3019, 5.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 176, 0) }
```

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

```
.background{ background-color: rgb(109,  
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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