

Converting Colors

XYZ(20.4366, 35.0799, 5.6940)

Have a look what the booklet for
XYZ(20.4366, 35.0799, 5.6940)
contains.

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Color

**XYZ(20.4544, 35.0740,
5.6919)**

Conversions

Conversions Part 1

Format	Color
Hex	57B500
RGB	87, 181, 0
RGB Percent	34%, 71%, 0%
CMY	0.6588, 0.2902, 0.9999
CMYK	0.52, 0.00, 1.00, 0.29
HSL	91°, 100%, 35%
HSV	91°, 100%, 71%
XYZ	20.4544, 35.0740, 5.6919
YIQ	132.2600, 2.0770, -76.2190

Conversions

Conversions Part 2

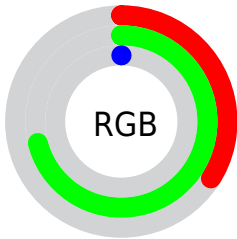
Format	Color
RYB	0, 181, 94
Decimal	5747968
CIELab	65.81, -52.98, 66.26
CIELCh	66, 84.841, 128.645
Yxy	35.0740, 0.3341, 0.5729
Android (android.graphics.Color)	4283938048 (0xFF57B500)
YUV	132.2600, -65.2042, -39.6930
Hunter-Lab	59.2233, -41.9909, 35.7580

Details

The XYZ color **20.4544, 35.0740, 5.6919** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **12.9594, 5.7176, 44.1386**, and the grayscale version is **22.2555, 23.4146, 25.4985**.

A 20% lighter version of the original color is **43.7682, 67.7959, 17.8003**, and **7.7020, 15.2368, 2.5351** is the 20% darker color. If you saturate the color by 10%, you get **20.4542, 35.0750, 5.6921**, and if you desaturate by 10%, it is **21.5010, 35.6019, 6.3160**.

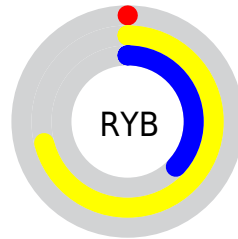
Distribution



Red (34%)

Green (71%)

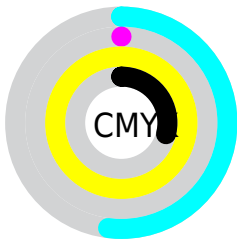
Blue (0%)



Red (0%)

Yellow (71%)

Blue (37%)

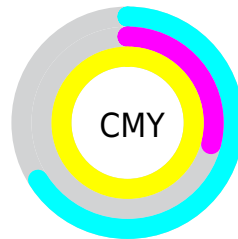


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (66%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4544, 35.0740, 5.6919 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 20.4544, 35.0740, 5.6919 by changing the saturation by 10% instead.


 20.4544, 35.0740,
5.6919


 20.4544, 35.0740,
5.6919


247.1515,
324.8948, 165.4985


 12.8360, 23.7199,
2.5929


 43.6759, 67.6004,
17.7545


 7.3919, 15.1260,
0.8888


 60.0096, 89.5415,
27.5551

 3.7569, 8.9078,
0.0000


 79.9792, 115.7803,
40.4268

 1.5655, 4.6811,
0.0000

 103.9499,
146.7013, 56.7879

 0.3698, 2.0614,
0.0000

 132.2871,
182.6888, 77.0571

 0.0000, 0.6428,
0.0000

 165.3562,

 0.0000, 0.0000,

224.1274, 101.6529

0.0000

203.5226,
271.4012, 130.9939

■ 20.4544, 35.0740,
5.6919

■ 20.4544, 35.0740,
5.6919

■ 20.4542, 35.0750,
5.6921

■ 21.5010, 35.6019,
6.3160

■ 22.7668, 36.2300,
7.4798

■ 24.2951, 36.9773,
9.3863

■ 26.1080, 37.8529,
12.1332

■ 28.2249, 38.8652,
15.8034

■ 30.6630, 40.0213,
20.4699

■ 33.4381, 41.3280,
26.1981

■ 36.5647, 42.7915,
33.0482

■ 40.0566, 44.4175,
41.0757

Harmonies

Analogous

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



29.8491, 35.0740, 2.5429



20.4544, 35.0740, 5.6919



15.5727, 35.0740, 18.1899

Triad

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



20.4544, 35.0740, 5.6919



25.3196, 35.0740, 145.0442



63.2342, 35.0740, 28.7393

Complementary

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



20.4544, 35.0740, 5.6919



12.9594, 5.7176, 44.1386

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.



61.1449, 35.0740, 69.1830



20.4544, 35.0740, 5.6919



37.0861, 35.0740, 154.8702

Square

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



20.4544, 35.0740, 5.6919



17.8533, 35.0740, 99.4173



50.7351, 35.0740, 121.2614



55.8839, 35.0740, 9.2949

Rectangle

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



20.4544, 35.0740, 5.6919



14.6029, 35.0740, 36.5830



50.7351, 35.0740, 121.2614



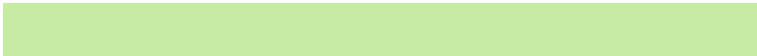
63.6437, 35.0740, 39.8427

Sweetspot

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



20.4552, 35.0755, 5.6927



59.6152, 73.8880, 46.3460



23.0178, 17.7458, 2.2126



12.4263, 15.7542, 9.0555



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.4552, 35.0755, 5.6927



36.3718, 62.6820, 10.1818



16.5415, 33.0560, 5.5958



8.7646, 9.6837, 9.0597



14.1794, 24.2198, 3.9276



0.5136, 0.7968, 0.1267

Inverse Universe

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



12.9594, 5.7176, 44.1386



22.9426, 10.1017, 79.0352



27.0917, 13.0384, 43.2015



8.4489, 8.4400, 10.6901



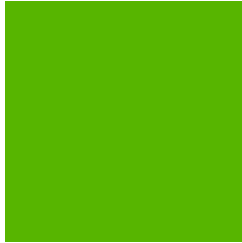
9.0133, 3.9823, 30.4306



0.3505, 0.1598, 0.9606

Previews

White Background



This preview shows how the XYZ color 20.4544, 35.0740, 5.6919 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 20.4544, 35.0740, 5.6919 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 20.4544, 35.0740, 5.6919

Background



This preview shows how black text looks on a background with the XYZ color 20.4544, 35.0740, 5.6919.



This preview shows how white text looks on a background with the XYZ color 20.4544, 35.0740,

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

20.4544, 35.0740, 5.6919

Protanopia

30.9885, 34.3800, 5.0027

Deuteranopia

35.2200, 34.5461, 6.5620



Tritanopia

29.1282, 34.8274, 49.4431

Trichromacy



Original Color

20.4544, 35.0740, 5.6919

Protanomaly

25.6728, 33.7484, 5.1610

Deuteranomaly

27.3833, 33.2775, 5.8441

Tritanomaly

23.6895, 34.0317, 21.8432

Monochromacy



Original Color

20.4544, 35.0740, 5.6919

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

19.7090, 26.1658, 12.3992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4544, 35.0740, 5.6919 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(87, 181, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 181, 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(87, 181, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 181, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.4544, 35.0740, 5.6919 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(87, 181, 0) }
```


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

```
.border{ border-color:rgb(87, 181, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 181, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 181, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 181, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 181, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.4544, 35.0740, 5.6919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 181, 0) }
```

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

```
.background{ background-color: rgb(87, 181,  
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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