

Converting Colors

XYZ(20.8908, 35.8131, 6.3948)

Have a look what the booklet for
XYZ(20.8908, 35.8131, 6.3948)
contains.

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Color

**XYZ(20.9731, 35.9369,
6.4034)**

Conversions

Conversions Part 1

Format	Color
Hex	57B712
RGB	87, 183, 18
RGB Percent	34%, 72%, 7%
CMY	0.6588, 0.2823, 0.9294
CMYK	0.52, 0.00, 0.90, 0.28
HSL	95°, 82%, 39%
HSV	95°, 90%, 72%
XYZ	20.9731, 35.9369, 6.4034
YIQ	135.4860, -4.2510, -71.6670

Conversions

Conversions Part 2

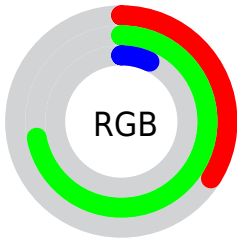
Format	Color
RYB	18, 183, 114
Decimal	5748498
CIELab	66.47, -53.34, 64.42
CIELCh	66, 83.633, 129.626
Yxy	35.9369, 0.3313, 0.5676
Android (android.graphics.Color)	4283938578 (0xFF57B712)
YUV	135.4860, -57.9206, -42.5222
Hunter-Lab	59.9474, -42.4582, 35.6300

Details

The XYZ color **20.9731, 35.9369, 6.4034** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **15.7059, 7.4307, 45.4083**, and the grayscale version is **23.4214, 24.6411, 26.8342**.

A 20% lighter version of the original color is **44.6144, 69.0713, 19.3682**, and **7.9504, 15.7521, 2.6214** is the 20% darker color. If you saturate the color by 10%, you get **19.9560, 35.4263, 5.7862**, and if you desaturate by 10%, it is **22.2566, 36.5749, 7.5809**.

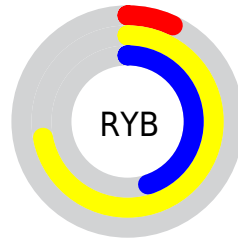
Distribution



Red (34%)

Green (72%)

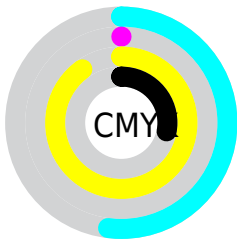
Blue (7%)



Red (7%)

Yellow (72%)

Blue (45%)

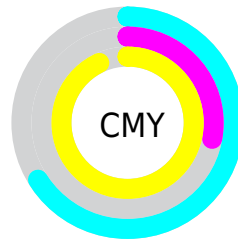


Cyan (52%)

Magenta (0%)

Yellow (90%)

Black (28%)



Cyan (66%)


Magenta (28%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9731, 35.9369, 6.4034 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 20.9731, 35.9369, 6.4034 by changing the saturation by 10% instead.


 20.9731, 35.9369,
6.4034


 20.9731, 35.9369,
6.4034


249.8699,
328.6847, 172.0484


 13.2167, 24.3855,
3.0192


 44.5344, 68.9347,
19.2546

 7.6560, 15.6198,
1.1044


 61.0699, 91.1498,
29.5585

 3.9255, 9.2555,
0.0000


 81.2626, 117.6882,
43.0062

 1.6601, 4.9082,
0.0000

 105.4777,
148.9345, 60.0161

 0.4311, 2.1935,
0.0000

 134.0807,
185.2728, 81.0067

 0.0000, 0.7165,
0.0000

 167.4368,

 0.0000, 0.0000,

227.0877, 106.3966

0.0000

205.9114,
274.7635, 136.6043

■ 20.9731, 35.9369,
6.4034

■ 20.9731, 35.9369,
6.4034

■ 19.9560, 35.4263,
5.7862

■ 22.2566, 36.5749,
7.5809

■ 23.8351, 37.3474,
9.5186

■ 25.7342, 38.2665,
12.3182

■ 27.9755, 39.3413,
16.0653

■ 30.5784, 40.5803,
20.8348

■ 33.5606, 41.9910,
26.6946

■ 36.9384, 43.5807,
33.7063

■ 40.7273, 45.3559,
41.9272

■ 44.9416, 47.3229,
51.4106

Harmonies

Analogous

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



30.2822, 35.9369, 2.9013



20.9731, 35.9369, 6.4034



16.1750, 35.9369, 19.6780

Triad

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



20.9731, 35.9369, 6.4034



26.4325, 35.9369, 146.0999



63.8651, 35.9369, 28.6822

Complementary

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



20.9731, 35.9369, 6.4034



15.7059, 7.4307, 45.4083

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.



62.1077, 35.9369, 68.4245



20.9731, 35.9369, 6.4034



38.3489, 35.9369, 154.3049

Square

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



20.9731, 35.9369, 6.4034



18.7499, 35.9369, 101.7471



51.9549, 35.9369, 120.0375



56.2936, 35.9369, 9.5475

Rectangle

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



20.9731, 35.9369, 6.4034



15.2762, 35.9369, 38.6803



51.9549, 35.9369, 120.0375



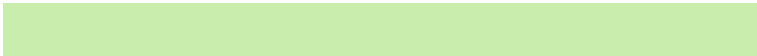
64.3809, 35.9369, 39.5815

Sweetspot

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



20.9739, 35.9384, 6.4042



61.6726, 75.9415, 51.0035



25.3786, 21.5915, 3.4028



13.1892, 16.5693, 10.3859



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



20.9739, 35.9384, 6.4042



35.4904, 63.3168, 10.3508



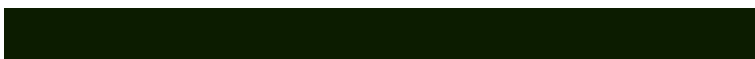
17.4059, 34.0860, 6.8251



9.2366, 10.2386, 9.5963



13.9956, 24.7513, 4.0398



0.5643, 0.9091, 0.1457

Inverse Universe

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



15.7059, 7.4307, 45.4083



25.7880, 11.5259, 81.1012



27.1927, 13.4795, 40.2005



9.0082, 8.9706, 11.3361



10.2291, 4.5845, 31.5988



0.4294, 0.1971, 1.1172

Previews

White Background



This preview shows how the XYZ color 20.9731, 35.9369, 6.4034 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 20.9731, 35.9369, 6.4034 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 20.9731, 35.9369, 6.4034

Background



This preview shows how black text looks on a background with the XYZ color 20.9731, 35.9369, 6.4034.



This preview shows how white text looks on a background with the XYZ color 20.9731, 35.9369,

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

20.9731, 35.9369, 6.4034

Protanopia

31.8338, 35.3266, 5.3132

Deuteranopia

35.9856, 35.1731, 6.9903



Tritanopia

29.7085, 35.6549, 50.6637

Trichromacy



Original Color

20.9731, 35.9369, 6.4034

Protanomaly

26.2754, 34.6009, 5.5809

Deuteranomaly

27.8689, 33.7778, 6.4898

Tritanomaly

24.5616, 34.9987, 24.5297

Monochromacy



Original Color

20.9731, 35.9369, 6.4034

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

20.6312, 27.0807, 14.2649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9731, 35.9369, 6.4034 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, 183, 18)` looks like.

```
.text, #text, p{  
    color:rgb(87, 183, 18)  
}
```

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, 183, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 183, 18) }
```

Border

The CSS property to change the border of an element to XYZ 20.9731, 35.9369, 6.4034 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, 183, 18) }
```


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

```
.border{ border-color:rgb(87, 183, 18) }
```

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

Here you see how a box with a 4 pixel rgb(87, 183, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 183, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 183, 18);  
box-shadow:4px 4px 4px 4px rgb(87, 183,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9731, 35.9369, 6.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 183, 18) }
```

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

```
.background{ background-color: rgb(87, 183,  
18) }
```

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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