

Converting Colors

XYZ(20.4496, 33.7147, 6.4966)

Have a look what the booklet for
XYZ(20.4496, 33.7147, 6.4966)
contains.

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Color

**XYZ(20.5361, 33.9031,
6.4985)**

Conversions

Conversions Part 1

Format	Color
Hex	5EB11B
RGB	94, 177, 27
RGB Percent	37%, 69%, 11%
CMY	0.6314, 0.3059, 0.8941
CMYK	0.47, 0.00, 0.85, 0.31
HSL	93°, 74%, 40%
HSV	93°, 85%, 69%
XYZ	20.5361, 33.9031, 6.4985
YIQ	135.0830, -1.3180, -64.2460

Conversions

Conversions Part 2

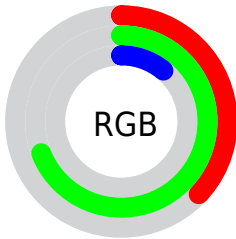
Format	Color
RYB	27, 177, 110
Decimal	6205723
CIELab	64.89, -48.62, 61.30
CIELCh	65, 78.237, 128.418
Yxy	33.9031, 0.3370, 0.5564
Android (android.graphics.Color)	4284395803 (0xFF5EB11B)
YUV	135.0830, -53.2849, -36.0298
Hunter-Lab	58.2264, -38.9402, 34.1412

Details

The XYZ color **20.5361, 33.9031, 6.4985** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **14.7602, 7.2745, 42.2230**, and the grayscale version is **23.2531, 24.4641, 26.6414**.

A 20% lighter version of the original color is **43.6217, 65.5453, 19.3692**, and **7.6184, 14.4419, 2.3860** is the 20% darker color. If you saturate the color by 10%, you get **19.4484, 33.3604, 5.6815**, and if you desaturate by 10%, it is **21.8761, 34.5637, 7.9718**.

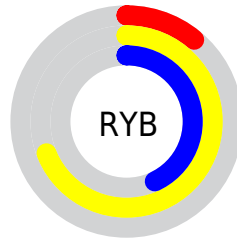
Distribution



Red (37%)

Green (69%)

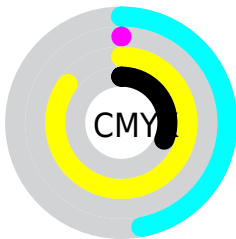
Blue (11%)



Red (11%)

Yellow (69%)

Blue (43%)

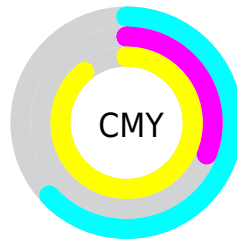


Cyan (47%)

Magenta (0%)

Yellow (85%)

Black (31%)



Cyan (63%)


Magenta (31%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5361, 33.9031, 6.4985 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 20.5361, 33.9031, 6.4985 by changing the saturation by 10% instead.


 20.5361, 33.9031,
6.4985


 20.5361, 33.9031,
6.4985


247.5814,
319.6998, 172.8987


 12.8959, 22.8192,
3.0769

 43.8113, 65.7830,
19.4524


 7.4334, 14.4600,
1.1340


 60.1770, 87.3477,
29.8217


 3.7833, 8.4413,
0.0000


 80.1818, 113.1748,
43.3439

 1.5803, 4.3786,
0.0000

 104.1912,
143.6486, 60.4377

 0.3795, 1.8875,
0.0000

 132.5705,
179.1537, 81.5215

 0.0000, 0.5409,
0.0000

 165.6851,

 0.0000, 0.0000,

220.0743, 107.0140

0.0000

203.9002,
266.7948, 137.3335

■ 20.5361, 33.9031,
6.4985

■ 20.5361, 33.9031,
6.4985

■ 19.4484, 33.3604,
5.6815

■ 21.8761, 34.5637,
7.9718

■ 18.9518, 33.1103,
5.3921

■ 23.4898, 35.3480,
10.2013

■ 25.3984, 36.2659,
13.2720

■ 27.6198, 37.3251,
17.2570

■ 30.1701, 38.5327,
22.2214

■ 33.0645, 39.8949,
28.2244

■ 36.3168, 41.4178,
35.3205

■ 39.9401, 43.1071,
43.5605

■ 43.9468, 44.9680,
52.9917

Harmonies

Analogous

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



29.1513, 33.9031, 3.2538



20.5361, 33.9031, 6.4985



15.9680, 33.9031, 18.4533

Triad

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



20.5361, 33.9031, 6.4985



24.8848, 33.9031, 130.0666



58.7998, 33.9031, 28.5461

Complementary

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



20.5361, 33.9031, 6.4985



14.7602, 7.2745, 42.2230

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.



56.8986, 33.9031, 64.8079



20.5361, 33.9031, 6.4985



35.5051, 33.9031, 138.7905

Square

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



20.5361, 33.9031, 6.4985



18.0403, 33.9031, 90.5429



47.6710, 33.9031, 110.1231



52.3841, 33.9031, 10.2031

Rectangle

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



20.5361, 33.9031, 6.4985



15.0394, 33.9031, 35.2258



47.6710, 33.9031, 110.1231



59.1371, 33.9031, 38.6568

Sweetspot

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



20.5369, 33.9046, 6.4992



58.8392, 71.2709, 49.7482



23.8529, 20.4722, 3.7318



12.3546, 15.2591, 9.9467



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.



20.5369, 33.9046, 6.4992



33.6943, 59.1699, 9.6451



16.4712, 31.7973, 6.8215



8.7373, 9.6696, 9.0585



13.7985, 24.0234, 3.9097



0.5016, 0.7907, 0.1262

Inverse Universe

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



14.7602, 7.2745, 42.2230



22.9651, 10.1971, 75.2531



25.7332, 13.0153, 38.9405



8.4765, 8.4542, 10.6914



9.4658, 4.2156, 30.4518



0.3637, 0.1666, 0.9612

Previews

White Background



This preview shows how the XYZ color 20.5361, 33.9031, 6.4985 looks on a white background.

Color Contrast Check

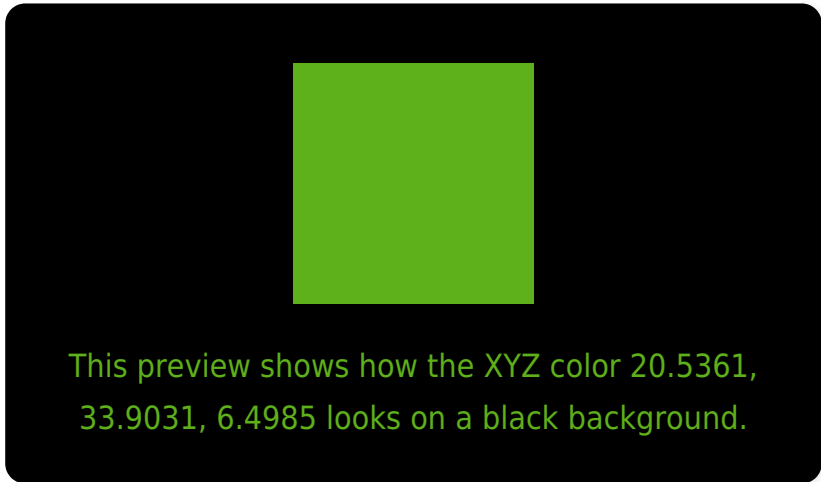
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

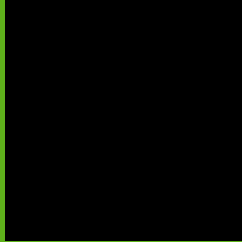
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5361, 33.9031, 6.4985

Background



This preview shows how black text looks on a background with the XYZ color 20.5361, 33.9031, 6.4985.



This preview shows how white text looks on a background with the XYZ color 20.5361, 33.9031,

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

20.5361, 33.9031, 6.4985

Protanopia

30.0968, 33.3982, 5.5697

Deuteranopia

33.9670, 33.4125, 7.0419



Tritanopia

28.6935, 33.8376, 47.1385

Trichromacy



Original Color

20.5361, 33.9031, 6.4985

Protanomaly

25.2842, 32.7238, 5.7943

Deuteranomaly

27.0461, 32.3071, 6.6441

Tritanomaly

23.9475, 32.9941, 23.8452

Monochromacy



Original Color

20.5361, 33.9031, 6.4985

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

20.7634, 26.6503, 15.1160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5361, 33.9031, 6.4985 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, 177, 27)` looks like.

```
.text, #text, p{  
  color:rgb(94, 177, 27)  
}
```

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, 177, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 177, 27) }
```

Border

The CSS property to change the border of an element to XYZ 20.5361, 33.9031, 6.4985 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, 177, 27) }
```


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

```
.border{ border-color:rgb(94, 177, 27) }
```

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

Here you see how a box with a 4 pixel rgb(94, 177, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 177, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 177, 27);  
box-shadow:4px 4px 4px 4px rgb(94, 177,  
27) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5361, 33.9031, 6.4985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 177, 27) }
```

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

```
.background{ background-color: rgb(94, 177,  
27) }
```

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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