

Converting Colors

XYZ(18.1134, 20.9789, 3.3494)

Have a look what the booklet for
XYZ(18.1134, 20.9789, 3.3494)
contains.

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Color

**XYZ(18.0529, 20.9545,
3.3516)**

Conversions

Conversions Part 1

Format	Color
Hex	888109
RGB	136, 129, 9
RGB Percent	53%, 51%, 4%
CMY	0.4667, 0.4941, 0.9647
CMYK	0.00, 0.05, 0.93, 0.47
HSL	57°, 88%, 28%
HSV	57°, 93%, 53%
XYZ	18.0529, 20.9545, 3.3516
YIQ	117.4130, 42.6920, -35.8360

Conversions

Conversions Part 2

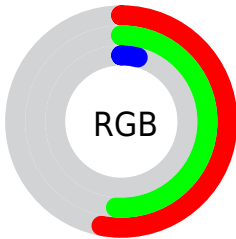
Format	Color
RYB	16, 136, 9
Decimal	8945929
CIELab	52.90, -9.57, 56.11
CIElCh	53, 56.923, 99.677
Yxy	20.9545, 0.4262, 0.4947
Android (android.graphics.Color)	4287136009 (0xFF888109)
YUV	117.4130, -53.4476, 16.3008
Hunter-Lab	45.7761, -9.7124, 27.7022

Details

The XYZ color **18.0529, 20.9545, 3.3516** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.7420, 2.2064, 23.4682**, and the grayscale version is **17.1894, 18.0846, 19.6941**.

A 20% lighter version of the original color is **39.8576, 45.2483, 12.5943**, and **6.3483, 7.5312, 1.1191** is the 20% darker color. If you saturate the color by 10%, you get **17.9388, 20.8053, 3.0703**, and if you desaturate by 10%, it is **18.2538, 21.1942, 3.9191**.

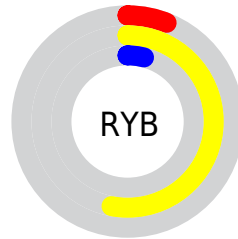
Distribution



Red (53%)

Green (51%)

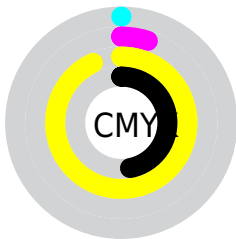
Blue (4%)



Red (6%)

Yellow (53%)

Blue (4%)

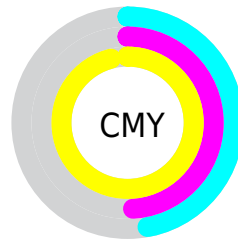


Cyan (0%)

Magenta (5%)

Yellow (93%)

Black (47%)



Cyan (47%)

Magenta (49%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0529, 20.9545, 3.3516 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 18.0529, 20.9545, 3.3516 by changing the saturation by 10% instead.

■ 18.0529, 20.9545,
3.3516

■ 18.0529, 20.9545,
3.3516

234.2089,
257.0366, 140.7200

■ 11.0879, 13.0907,
1.2768

■ 39.6568, 45.0118,
12.4844

■ 6.1937, 7.4911,
0.0427

■ 55.0264, 61.9741,
20.3795

■ 3.0050, 3.7711,
0.0000

■ 73.9283, 82.7381,
31.0517

■ 1.1564, 1.5463,
0.0000

■ 96.7278, 107.6881,
44.9198

■ 0.0715, 0.3210,
0.0000

■ 123.7902,
137.2086, 62.4021

■ 0.0000, 0.0000,
0.0000

■ 155.4810,

171.6839, 83.9172

192.1654,
211.4984, 109.8836

18.0529, 20.9545,
3.3516

18.0529, 20.9545,
3.3516

17.9388, 20.8053,
3.0703

18.2538, 21.1942,
3.9191

18.5245, 21.4621,
4.8521

18.8750, 21.7631,
6.2020

19.3133, 22.1004,
8.0107

19.8464, 22.4768,
10.3153

■ 20.4808, 22.8948,
13.1491

■ 21.2220, 23.3568,
16.5423

■ 22.0755, 23.8648,
20.5230

■ 23.0462, 24.4210,
25.1174

Harmonies

Analogous

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



24.1648, 20.9545, 3.8095



18.0529, 20.9545, 3.3516



13.4631, 20.9545, 5.7377

Triad

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



18.0529, 20.9545, 3.3516



12.3386, 20.9545, 50.8163



32.7020, 20.9545, 36.2081

Complementary

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



18.0529, 20.9545, 3.3516



4.7420, 2.2064, 23.4682

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.



28.1598, 20.9545, 58.5139



18.0529, 20.9545, 3.3516



16.1980, 20.9545, 69.4634

Square

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



18.0529, 20.9545, 3.3516



10.6260, 20.9545, 28.7852



21.9044, 20.9545, 72.8247



33.4734, 20.9545, 17.7348

Rectangle

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



18.0529, 20.9545, 3.3516



11.5764, 20.9545, 9.9398



21.9044, 20.9545, 72.8247



31.5280, 20.9545, 43.7041

Sweetspot

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



18.0534, 20.9555, 3.3520



36.6923, 40.7261, 25.8979



10.3560, 5.4717, 1.0604



8.3860, 9.3615, 5.4897



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.0534, 20.9555, 3.3520



31.5763, 36.5905, 5.3984



12.2442, 19.3759, 3.3533



5.4079, 5.7986, 5.3866



16.9809, 19.6962, 2.9068



0.1161, 0.1375, 0.0204

Inverse Universe

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



4.7420, 2.2064, 23.4682



7.9367, 3.3430, 41.2753



6.6585, 3.0644, 23.5328



4.7953, 4.9336, 6.3054



4.2853, 1.8410, 22.1752



0.0310, 0.0173, 0.1482

Previews

White Background



This preview shows how the XYZ color 18.0529, 20.9545, 3.3516 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0529, 20.9545, 3.3516 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 × Fail

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

XYZ 18.0529, 20.9545, 3.3516

Background



This preview shows how black text looks on a background with the XYZ color 18.0529, 20.9545, 3.3516.



This preview shows how white text looks on a background with the XYZ color 18.0529, 20.9545,

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

18.0529, 20.9545, 3.3516

Protanopia

18.9609, 21.0359, 3.2907

Deuteranopia

21.3399, 20.9570, 3.5822



Tritanopia

22.1805, 20.9472, 23.6431

Trichromacy



Original Color

18.0529, 20.9545, 3.3516

Protanomaly

18.5782, 21.0313, 3.3100

Deuteranomaly

19.9390, 20.7826, 3.4508

Tritanomaly

19.7072, 20.4845, 11.5096

Monochromacy



Original Color

18.0529, 20.9545, 3.3516

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.5247, 18.5099, 9.9095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0529, 20.9545, 3.3516 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(136, 129, 9)` looks like.

```
.text, #text, p{  
    color:rgb(136, 129, 9)  
}
```

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(136, 129, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 129, 9) }
```

Border

The CSS property to change the border of an element to XYZ 18.0529, 20.9545, 3.3516 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(136, 129, 9) }
```


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

```
.border{ border-color:rgb(136, 129, 9) }
```

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

Here you see how a box with a 4 pixel rgb(136, 129, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 129, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 129, 9);  
box-shadow:4px 4px 4px 4px rgb(136, 129,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0529, 20.9545, 3.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 129, 9) }
```

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

```
.background{ background-color: rgb(136,  
129, 9) }
```

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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