

Converting Colors

XYZ(17.5141, 20.9541, 2.4802)

Have a look what the booklet for
XYZ(17.5141, 20.9541, 2.4802)
contains.

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Color

**XYZ(17.6555, 20.9518,
3.1136)**

Conversions

Conversions Part 1

Format	Color
Hex	858200
RGB	133, 130, 0
RGB Percent	52%, 51%, 0%
CMY	0.4784, 0.4902, 1.0000
CMYK	0.00, 0.02, 1.00, 0.48
HSL	59°, 100%, 26%
HSV	59°, 100%, 52%
XYZ	17.6555, 20.9518, 3.1136
YIQ	116.0770, 43.5180, -39.7940

Conversions

Conversions Part 2

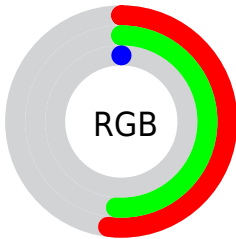
Format	Color
RYB	3, 133, 0
Decimal	8749568
CIELab	52.90, -11.68, 57.63
CIELCh	53, 58.800, 101.458
Yxy	20.9518, 0.4232, 0.5022
Android (android.graphics.Color)	4286939648 (0xFF858200)
YUV	116.0770, -57.2260, 14.8415
Hunter-Lab	45.7731, -11.2524, 28.0081

Details

The XYZ color **17.6555, 20.9518, 3.1136** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.2664, 1.7588, 22.3047**, and the grayscale version is **16.7857, 17.6598, 19.2316**.

A 20% lighter version of the original color is **39.1818, 45.2194, 11.9733**, and **6.2507, 7.5903, 1.1356** is the 20% darker color. If you saturate the color by 10%, you get **17.6559, 20.9527, 3.1137**, and if you desaturate by 10%, it is **17.7705, 21.0625, 3.5202**.

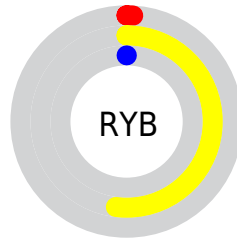
Distribution



Red (52%)

Green (51%)

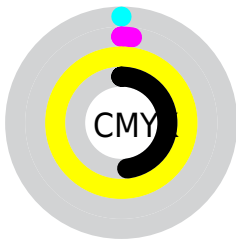
Blue (0%)



Red (1%)

Yellow (52%)

Blue (0%)

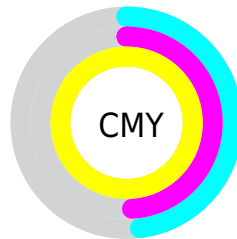


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (48%)



Cyan (48%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6555, 20.9518, 3.1136 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 17.6555, 20.9518, 3.1136 by changing the saturation by 10% instead.

■ 17.6555, 20.9518,
3.1136

■ 17.6555, 20.9518,
3.1136

232.0054,
257.0222, 137.7946

■ 10.8011, 13.0888,
1.1529

■ 38.9841, 45.0073,
11.9075

■ 5.9996, 7.4897,
0.0000

■ 54.1891, 61.9686,
19.5778

■ 2.8855, 3.7702,
0.0000

■ 72.9083, 82.7314,
29.9884

■ 1.0935, 1.5459,
0.0000

■ 95.5071, 107.6801,
43.5578


■ 0.0197, 0.3207,
0.0000


■ 122.3508,
137.1992, 60.7046


■ 0.0000, 0.0000,
0.0000


■ 153.8049,


171.6729, 81.8473


 190.2346,
211.4858, 107.4044


 17.6555, 20.9518,
3.1136


 17.6555, 20.9518,
3.1136


 17.6559, 20.9527,
3.1137

 17.7705, 21.0625,
3.5202

 17.9292, 21.1900,
4.1585

 18.1575, 21.3455,
5.1626

 18.4637, 21.5324,
6.5766

 18.8551, 21.7536,
8.4386

■ 19.3381, 22.0116,
10.7821

■ 19.9184, 22.3087,
13.6377

■ 20.6014, 22.6470,
17.0333

■ 21.3919, 23.0286,
20.9947

Harmonies

Analogous

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



23.9175, 20.9518, 3.4097



17.6555, 20.9518, 3.1136



13.0643, 20.9518, 5.6779

Triad

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



17.6555, 20.9518, 3.1136



12.2994, 20.9518, 53.3954



33.3660, 20.9518, 35.3708

Complementary

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



17.6555, 20.9518, 3.1136



4.2664, 1.7588, 22.3047

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.



28.8171, 20.9518, 58.7854



17.6555, 20.9518, 3.1136



16.3843, 20.9518, 72.3629

Square

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



17.6555, 20.9518, 3.1136



10.4250, 20.9518, 30.2259



22.3575, 20.9518, 74.7272



33.9025, 20.9518, 16.7234

Rectangle

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



17.6555, 20.9518, 3.1136



11.2254, 20.9518, 10.1528



22.3575, 20.9518, 74.7272



32.2176, 20.9518, 43.1299

Sweetspot

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



17.6560, 20.9528, 3.1140



35.5927, 39.9117, 24.0394



9.6972, 4.9965, 0.5809



7.9314, 8.9474, 4.9851



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



17.6560, 20.9528, 3.1140



31.6022, 37.4900, 5.5707



10.9815, 18.1122, 2.9175



5.0310, 5.4055, 5.0076



16.8185, 19.9597, 2.9662



0.0590, 0.0706, 0.0105

Inverse Universe

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



4.2664, 1.7588, 22.3047



7.6240, 3.1174, 39.9383



6.2248, 2.7201, 22.3871



4.4423, 4.5601, 5.8468



4.0644, 1.6766, 21.2461



0.0146, 0.0068, 0.0738

Previews

White Background



This preview shows how the XYZ color 17.6555, 20.9518, 3.1136 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 17.6555, 20.9518, 3.1136 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 17.6555, 20.9518, 3.1136

Background



This preview shows how black text looks on a background with the XYZ color 17.6555, 20.9518, 3.1136.

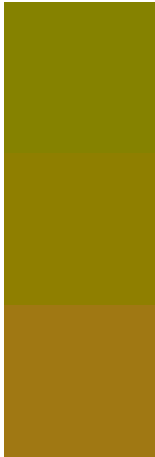


This preview shows how white text looks on a background with the XYZ color 17.6555, 20.9518,

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

17.6555, 20.9518, 3.1136

Protanopia

18.9171, 21.0184, 3.0599

Deuteranopia

21.3312, 20.9535, 3.5363



Tritanopia

21.8511, 20.9492, 24.0110

Trichromacy



Original Color

17.6555, 20.9518, 3.1136

Protanomaly

18.3666, 20.9273, 3.0714

Deuteranomaly

19.8517, 20.9259, 3.3406

Tritanomaly

19.2502, 20.4431, 11.1149

Monochromacy



Original Color

17.6555, 20.9518, 3.1136

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.0994, 18.3067, 9.1636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6555, 20.9518, 3.1136 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(133, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 130, 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(133, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 130, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.6555, 20.9518, 3.1136 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(133, 130, 0) }
```


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

```
.border{ border-color:rgb(133, 130, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 130,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6555, 20.9518, 3.1136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 130, 0) }
```

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

```
.background{ background-color: rgb(133,  
130, 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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