

Converting Colors

XYZ(18.8055, 20.9548, 3.3698)

Have a look what the booklet for
XYZ(18.8055, 20.9548, 3.3698)
contains.

XYZ(18.8051, 20.9537, 3.3699)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.8051, 20.9537,
3.3699)**

Conversions

Conversions Part 1

Format	Color
Hex	8E7F0B
RGB	142, 127, 11
RGB Percent	56%, 50%, 4%
CMY	0.4431, 0.5019, 0.9568
CMYK	0.00, 0.11, 0.92, 0.44
HSL	53°, 86%, 30%
HSV	53°, 92%, 56%
XYZ	18.8051, 20.9537, 3.3699
YIQ	118.2610, 46.1760, -32.8960

Conversions

Conversions Part 2

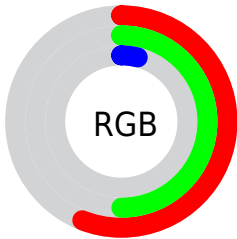
Format	Color
R_{YB}	28, 142, 11
Decimal	9338635
CIE _{Lab}	52.90, -5.63, 56.00
CIE _{LCh}	53, 56.279, 95.738
Yxy	20.9537, 0.4360, 0.4858
Android (android.graphics.Color)	4287528715 (0xFF8E7F0B)
YUV	118.2610, -52.8797, 20.8191
Hunter-Lab	45.7752, -6.7763, 27.6778

Details

The XYZ color **18.8051, 20.9537, 3.3699** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.3900, 2.7631, 25.8402**, and the grayscale version is **17.4531, 18.3621, 19.9963**.

A 20% lighter version of the original color is **40.8106, 44.8372, 12.4647**, and **6.7489, 7.5235, 1.0965** is the 20% darker color. If you saturate the color by 10%, you get **18.5834, 20.6071, 2.9981**, and if you desaturate by 10%, it is **19.1345, 21.4249, 4.0584**.

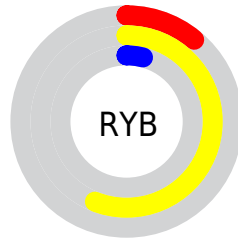
Distribution



Red (56%)

Green (50%)

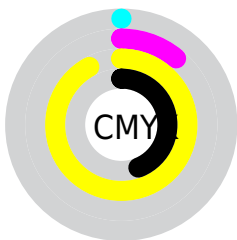
Blue (4%)



Red (11%)

Yellow (56%)

Blue (4%)

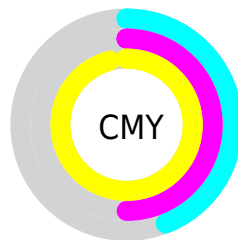


Cyan (0%)

Magenta (11%)

Yellow (92%)

Black (44%)



Cyan (44%)

Magenta (50%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8051, 20.9537, 3.3699 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 18.8051, 20.9537, 3.3699 by changing the saturation by 10% instead.

■ 18.8051, 20.9537,
3.3699

■ 18.8051, 20.9537,
3.3699

238.3295,
257.0323, 140.9408

■ 11.6327, 13.0902,
1.2865

■ 40.9239, 45.0105,
12.5283

■ 6.5645, 7.4907,
0.0507

■ 56.6011, 61.9725,
20.4404

■ 3.2352, 3.7708,
0.0000

■ 75.8438, 82.7361,
31.1324

■ 1.2793, 1.5462,
0.0000

■ 99.0176, 107.6858,
45.0229


■ 0.1677, 0.3209,
0.0000


■ 126.4877,
137.2058, 62.5305


■ 0.0000, 0.0000,
0.0000


■ 158.6194,


171.6807, 84.0736


 195.7783,
211.4947, 110.0709


 18.8051, 20.9537,
3.3699

 18.8051, 20.9537,
3.3699


 18.5834, 20.6071,
2.9981

 19.1345, 21.4249,
4.0584

 19.5448, 21.9332,
5.1584

 20.0470, 22.4836,
6.7250

 20.6497, 23.0797,
8.8044

 21.3608, 23.7248,
11.4375

■ 22.1873, 24.4215,
14.6607

■ 23.1354, 25.1724,
18.5075

■ 24.2111, 25.9800,
23.0090

■ 25.4199, 26.8464,
28.1941

Harmonies

Analogous

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



24.9401, 20.9537, 4.1825



18.8051, 20.9537, 3.3699



14.0075, 20.9537, 5.3185

Triad

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



18.8051, 20.9537, 3.3699



12.0666, 20.9537, 47.4797



32.1246, 20.9537, 38.9017

Complementary

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



18.8051, 20.9537, 3.3699



5.3900, 2.7631, 25.8402

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.



27.2882, 20.9537, 60.5551



18.8051, 20.9537, 3.3699



15.6162, 20.9537, 66.9855

Square

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



18.8051, 20.9537, 3.3699



10.6407, 20.9537, 26.2132



21.0695, 20.9537, 72.6788



33.4395, 20.9537, 19.7240

Rectangle

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



18.8051, 20.9537, 3.3699



11.9472, 20.9537, 8.9956



21.0695, 20.9537, 72.6788



30.8159, 20.9537, 46.3727

Sweetspot

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



18.8056, 20.9547, 3.3703



39.7132, 43.5397, 28.2096



11.4647, 6.0661, 1.5609



8.7333, 9.6143, 5.7524



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.8056, 20.9547, 3.3703



32.6946, 36.1873, 5.2617



14.1256, 21.6343, 3.7482



5.7876, 6.1815, 5.7775



16.6937, 18.5191, 2.6947



0.1693, 0.1964, 0.0290

Inverse Universe

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



5.3900, 2.7631, 25.8402



8.8783, 3.9809, 45.4283



6.9403, 3.1916, 25.8412



5.1763, 5.3483, 6.7883



4.5613, 2.1086, 23.1437



0.0514, 0.0358, 0.2239

Previews

White Background



This preview shows how the XYZ color 18.8051, 20.9537, 3.3699 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 18.8051, 20.9537, 3.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

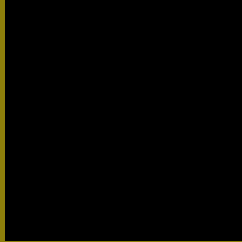
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.8051, 20.9537, 3.3699

Background



This preview shows how black text looks on a background with the XYZ color 18.8051, 20.9537, 3.3699.



This preview shows how white text looks on a background with the XYZ color 18.8051, 20.9537,

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

18.8051, 20.9537, 3.3699

Protanopia

18.9775, 21.0425, 3.3780

Deuteranopia

21.3312, 20.9535, 3.5363



Tritanopia

22.7036, 20.8787, 22.9121

Trichromacy



Original Color

18.8051, 20.9537, 3.3699

Protanomaly

18.9775, 21.0425, 3.3780

Deuteranomaly

20.3134, 20.9756, 3.4683

Tritanomaly

20.3311, 20.4416, 11.4684

Monochromacy



Original Color

18.8051, 20.9537, 3.3699

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.0011, 18.7513, 10.1204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8051, 20.9537, 3.3699 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(142, 127, 11)` looks like.

```
.text, #text, p{  
    color:rgb(142, 127, 11)  
}
```

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(142, 127, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 127, 11) }
```

Border

The CSS property to change the border of an element to XYZ 18.8051, 20.9537, 3.3699 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(142, 127, 11) }
```


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

```
.border{ border-color:rgb(142, 127, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 127, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 127, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 127, 11);  
box-shadow:4px 4px 4px 4px rgb(142, 127,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8051, 20.9537, 3.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 127, 11) }
```

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

```
.background{ background-color: rgb(142,  
127, 11) }
```

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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