

Converting Colors

XYZ(18.9917, 20.0962, 1.4692)

Have a look what the booklet for
XYZ(18.9917, 20.0962, 1.4692)
contains.

XYZ(19.3540, 20.3086, 2.8999)	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(19.3540, 20.3086,
2.8999)**

Conversions

Conversions Part 1

Format	Color
Hex	957A00
RGB	149, 122, 0
RGB Percent	58%, 48%, 0%
CMY	0.4157, 0.5216, 1.0000
CMYK	0.00, 0.18, 1.00, 0.42
HSL	49°, 100%, 29%
HSV	49°, 100%, 58%
XYZ	19.3540, 20.3086, 2.8999
YIQ	116.1650, 55.2540, -32.2180

Conversions

Conversions Part 2

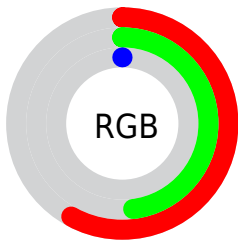
Format	Color
R_{YB}	33, 149, 0
Decimal	9796096
CIE _{Lab}	52.18, 0.26, 57.83
CIE _{LCh}	52, 57.833, 89.742
Yxy	20.3086, 0.4547, 0.4771
Android (android.graphics.Color)	4287986176 (0xFF957A00)
YUV	116.1650, -57.2693, 28.7963
Hunter-Lab	45.0651, -2.2038, 27.7303

Details

The XYZ color **19.3540, 20.3086, 2.8999** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.8169, 2.9540, 28.6973**, and the grayscale version is **16.8103, 17.6858, 19.2598**.

A 20% lighter version of the original color is **41.8515, 43.9308, 11.4279**, and **7.0649, 7.2772, 1.0323** is the 20% darker color. If you saturate the color by 10%, you get **19.3542, 20.3092, 2.9000**, and if you desaturate by 10%, it is **19.7761, 21.0161, 3.4627**.

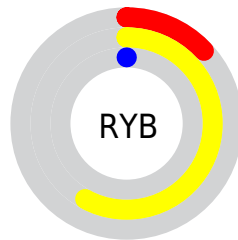
Distribution



Red (58%)

Green (48%)

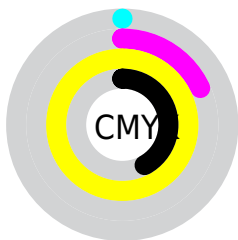
Blue (0%)



Red (13%)

Yellow (58%)

Blue (0%)

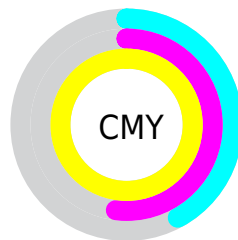


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3540, 20.3086, 2.8999 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 19.3540, 20.3086, 2.8999 by changing the saturation by 10% instead.

■ 19.3540, 20.3086,
2.8999

■ 19.3540, 20.3086,
2.8999

241.2969,
253.5809, 135.0753

■ 12.0319, 12.6196,
1.0438

■ 41.8437, 43.9340,
11.3804

■ 6.8377, 7.1671,
0.0000

■ 57.7420, 60.6391,
18.8419

■ 3.4063, 3.5668,
0.0000

■ 77.2296, 81.1184,
29.0088

■ 1.3721, 1.4343,
0.0000

■ 100.6721,
105.7562, 42.2999

■ 0.2362, 0.2418,
0.0000

■ 128.4347,
134.9370, 59.1335

■ 0.0000, 0.0000,
0.0000

■ 160.8828,

169.0451, 79.9282

198.3818,
208.4649, 105.1027

19.3540, 20.3086,
2.8999

19.3540, 20.3086,
2.8999

19.3542, 20.3092,
2.9000

19.7761, 21.0161,
3.4627

20.2679, 21.7655,
4.3484

20.8588, 22.5695,
5.7103

21.5603, 23.4328,
7.6075

22.3819, 24.3594,
10.0909

■ 23.3323, 25.3528,
13.2052

■ 24.4192, 26.4162,
16.9908

■ 25.6498, 27.5526,
21.4847

■ 27.0305, 28.7647,
26.7214

Harmonies

Analogous

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



25.6327, 20.3086, 4.2054



19.3540, 20.3086, 2.8999



14.1835, 20.3086, 4.1571

Triad

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



19.3540, 20.3086, 2.8999



11.0029, 20.3086, 42.5754



30.9132, 20.3086, 42.9700

Complementary

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



19.3540, 20.3086, 2.8999



5.8169, 2.9540, 28.6973

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.



25.5256, 20.3086, 64.2746



19.3540, 20.3086, 2.8999



14.1114, 20.3086, 63.9761

Square

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



19.3540, 20.3086, 2.8999



10.0029, 20.3086, 21.9662



19.2515, 20.3086, 73.4336



33.0870, 20.3086, 22.2597

Rectangle

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



19.3540, 20.3086, 2.8999



11.8471, 20.3086, 7.0173



19.2515, 20.3086, 73.4336



29.3701, 20.3086, 50.6169

Sweetspot

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



19.3545, 20.3096, 2.9003



43.6049, 47.1874, 29.9759



12.5961, 6.4704, 1.6417



9.4943, 10.2943, 6.0463



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.3545, 20.3096, 2.9003



34.5409, 36.1310, 5.1535



16.2065, 24.3091, 3.8382



6.1770, 6.5678, 6.1826



16.3089, 17.1323, 2.4473



0.2183, 0.2471, 0.0362

Inverse Universe

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



5.8169, 2.9540, 28.6973



10.3196, 5.0949, 51.3608



6.6059, 2.7789, 28.6219



5.5795, 5.7929, 7.2938



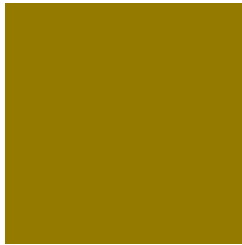
4.9123, 2.5194, 24.1584



0.0759, 0.0625, 0.3010

Previews

White Background



This preview shows how the XYZ color 19.3540, 20.3086, 2.8999 looks on a white background.

Color Contrast Check

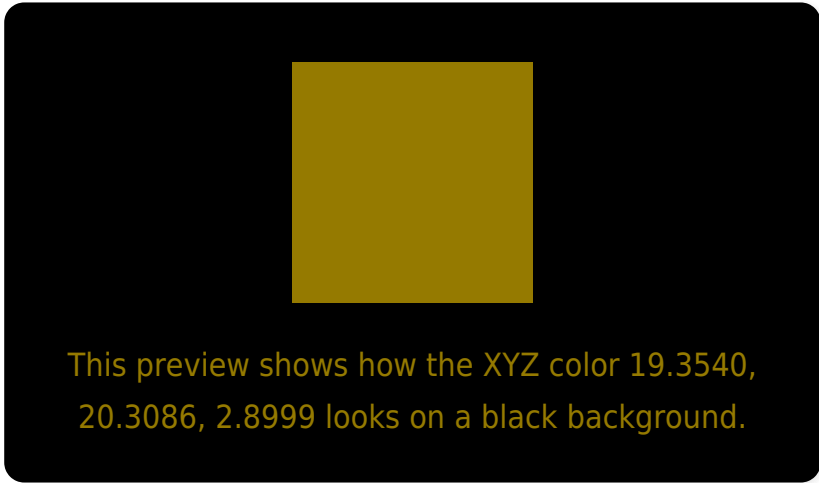
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 19.3540, 20.3086, 2.8999

Background



This preview shows how black text looks on a background with the XYZ color 19.3540, 20.3086, 2.8999.

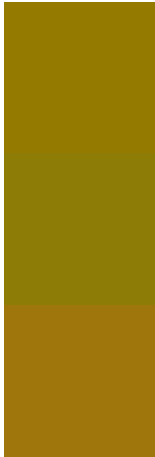


This preview shows how white text looks on a background with the XYZ color 19.3540, 20.3086,

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

19.3540, 20.3086, 2.8999

Protanopia

18.3510, 20.3431, 3.1317

Deuteranopia

20.6453, 20.2525, 3.1688



Tritanopia

22.9355, 20.1840, 21.0994

Trichromacy



Original Color

19.3540, 20.3086, 2.8999

Protanomaly

18.7312, 20.3534, 3.0562

Deuteranomaly

20.1582, 20.1797, 3.0624

Tritanomaly

20.7574, 19.8131, 9.9380

Monochromacy



Original Color

19.3540, 20.3086, 2.8999

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6166, 18.0405, 9.0849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3540, 20.3086, 2.8999 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(149, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(149, 122, 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(149, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.3540, 20.3086, 2.8999 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(149, 122, 0) }
```


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

```
.border{ border-color:rgb(149, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(149, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3540, 20.3086, 2.8999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 122, 0) }
```

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

```
.background{ background-color: rgb(149,  
122, 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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