

Converting Colors

XYZ(17.1653, 11.3710, 0.0000)

Have a look what the booklet for
XYZ(17.1653, 11.3710, 0.0000)
contains.

XYZ(17.3946, 11.4445, 1.2922)	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(17.3946, 11.4445,
1.2922)**

Conversions

Conversions Part 1

Format	Color
Hex	A63D00
RGB	166, 61, 0
RGB Percent	65%, 24%, 0%
CMY	0.3490, 0.7608, 1.0000
CMYK	0.00, 0.63, 1.00, 0.35
HSL	22°, 100%, 33%
HSV	22°, 100%, 65%
XYZ	17.3946, 11.4445, 1.2922
YIQ	85.4410, 82.1610, 3.2890

Conversions

Conversions Part 2

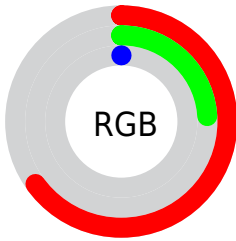
Format	Color
RYB	166, 96, 0
Decimal	10894592
CIELab	40.32, 41.12, 51.48
CIELCh	40, 65.889, 51.385
Yxy	11.4445, 0.5773, 0.3798
Android (android.graphics.Color)	4289084672 (0xFFA63D00)
YUV	85.4410, -42.1224, 70.6502
Hunter-Lab	33.8297, 32.5793, 21.4161

Details

The XYZ color **17.3946, 11.4445, 1.2922** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.9338, 12.8550, 37.9283**, and the grayscale version is **8.8016, 9.2600, 10.0842**.

A 20% lighter version of the original color is **38.5659, 28.5706, 6.9721**, and **5.9656, 3.1076, 0.2854** is the 20% darker color. If you saturate the color by 10%, you get **17.3948, 11.4450, 1.2923**, and if you desaturate by 10%, it is **18.1094, 12.7173, 2.0143**.

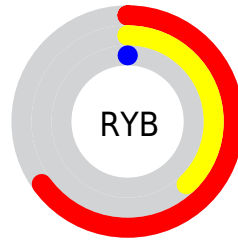
Distribution



Red (65%)

Green (24%)

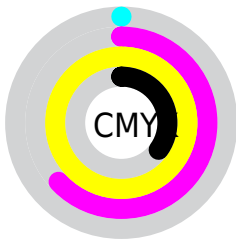
Blue (0%)



Red (65%)

Yellow (38%)

Blue (0%)

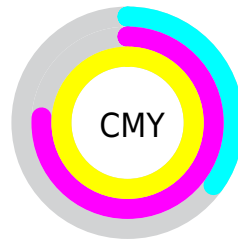


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.3946, 11.4445, 1.2922 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 17.3946, 11.4445, 1.2922 by changing the saturation by 10% instead.


 17.3946, 11.4445,
1.2922


 17.3946, 11.4445,
1.2922


 230.5484,
200.6922, 110.1820


 10.6133, 6.3666,
0.0554


 38.5412, 28.4792,
6.9953


 5.8728, 3.0693,
0.0000

 53.6372, 41.2049,
12.5544

 2.8078, 1.1680,
0.0000

 72.2355, 57.2487,
20.4766

 1.0530, 0.0353,
0.0000

 94.7014, 76.9949,
31.1803


 0.0000, 0.0000,
0.0000


 121.4003,
100.8279, 45.0841


 152.6975,


129.1323, 62.6067


 188.9584,
162.2922, 84.1665


 17.3946, 11.4445,
1.2922


 17.3946, 11.4445,
1.2922


 17.3948, 11.4450,
1.2923

 18.1094, 12.7173,
2.0143

 19.0208, 14.2533,
3.2024

 20.1682, 16.0776,
5.0355

 21.5717, 18.2064,
7.5938

 23.2486, 20.6544,
10.9453

■ 25.2147, 23.4354,
15.1502

■ 27.4845, 26.5620,
20.2628

■ 30.0713, 30.0462,
26.3329

■ 32.9875, 33.8995,
33.4066

Harmonies

Analogous

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



21.3851, 11.4445, 5.3115



17.3946, 11.4445, 1.2922



12.2592, 11.4445, 0.3056

Triad

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



17.3946, 11.4445, 1.2922



4.2602, 11.4445, 9.0343



14.4374, 11.4445, 54.1485

Complementary

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



17.3946, 11.4445, 1.2922



11.9338, 12.8550, 37.9283

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.



9.6040, 11.4445, 58.1305



17.3946, 11.4445, 1.2922



4.5390, 11.4445, 24.1876

Square

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



17.3946, 11.4445, 1.2922



5.3210, 11.4445, 2.3878



6.2334, 11.4445, 44.6469



19.3697, 11.4445, 35.9425

Rectangle

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



17.3946, 11.4445, 1.2922



9.2213, 11.4445, 0.3442



6.2334, 11.4445, 44.6469



12.7214, 11.4445, 57.5382

Sweetspot

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



17.3948, 11.4452, 1.2924



49.6374, 47.8742, 36.2123



18.2824, 9.1296, 14.1992



10.7216, 10.1842, 7.2242



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



17.3948, 11.4452, 1.2924



31.3847, 20.4007, 2.2836



25.6787, 28.0129, 4.0537



7.7485, 7.9770, 7.9206



13.5304, 8.9580, 1.0159



0.3781, 0.3157, 0.0410

Inverse Universe

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



11.9338, 12.8550, 37.9283



21.4507, 22.9144, 68.7676



7.1724, 3.3321, 36.3411



7.5123, 8.0615, 9.5784



9.2998, 10.0598, 29.4271



0.2725, 0.3373, 0.7314

Previews

White Background



This preview shows how the XYZ color 17.3946, 11.4445, 1.2922 looks on a white 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

Black 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

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

XYZ 17.3946, 11.4445, 1.2922

Background



This preview shows how black text looks on a background with the XYZ color 17.3946, 11.4445, 1.2922.



This preview shows how white text looks on a background with the XYZ color 17.3946, 11.4445,

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

17.3946, 11.4445, 1.2922

Protanopia

10.4684, 11.5944, 2.2165

Deuteranopia

11.6262, 11.5471, 1.6160



Tritanopia

18.2151, 11.4680, 5.5285

Trichromacy



Original Color

17.3946, 11.4445, 1.2922

Protanomaly

12.2069, 10.8778, 1.7729

Deuteranomaly

13.1852, 11.0557, 1.4390

Tritanomaly

17.7993, 11.3815, 3.0925

Monochromacy



Original Color

17.3946, 11.4445, 1.2922

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.1897, 9.0126, 4.6926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3946, 11.4445, 1.2922 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(166, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 61, 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(166, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.3946, 11.4445, 1.2922 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(166, 61, 0) }
```


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

```
.border{ border-color:rgb(166, 61, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.3946, 11.4445, 1.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 61, 0) }
```

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

```
.background{ background-color: rgb(166, 61,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor