

Converting Colors

XYZ(17.5678, 11.8801, 1.9510)

Have a look what the booklet for
XYZ(17.5678, 11.8801, 1.9510)
contains.

XYZ(17.5165, 11.8236, 1.9312)	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(17.5165, 11.8236,
1.9312)**

Conversions

Conversions Part 1

Format	Color
Hex	A54112
RGB	165, 65, 18
RGB Percent	65%, 25%, 7%
CMY	0.3529, 0.7451, 0.9294
CMYK	0.00, 0.61, 0.89, 0.35
HSL	19°, 80%, 36%
HSV	19°, 89%, 65%
XYZ	17.5165, 11.8236, 1.9312
YIQ	89.5420, 74.6870, 6.5830

Conversions

Conversions Part 2

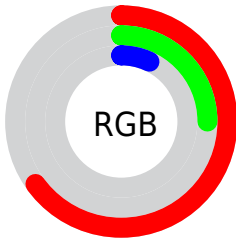
Format	Color
RYB	165, 87, 18
Decimal	10830098
CIELab	40.93, 39.13, 46.00
CIElCh	41, 60.396, 49.616
Yxy	11.8236, 0.5601, 0.3781
Android (android.graphics.Color)	4289020178 (0xFFA54112)
YUV	89.5420, -35.2702, 66.1767
Hunter-Lab	34.3855, 30.7562, 20.7399

Details

The XYZ color **17.5165, 11.8236, 1.9312** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.5186, 15.8006, 37.9343**, and the grayscale version is **9.6808, 10.1850, 11.0915**.

A 20% lighter version of the original color is **38.6225, 29.0648, 8.8846**, and **5.9342, 3.2203, 0.3088** is the 20% darker color. If you saturate the color by 10%, you get **16.8342, 10.6207, 1.2058**, and if you desaturate by 10%, it is **18.4132, 13.3183, 3.1518**.

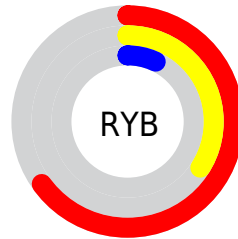
Distribution



Red (65%)

Green (25%)

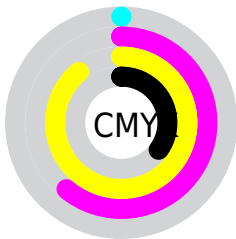
Blue (7%)



Red (65%)

Yellow (34%)

Blue (7%)

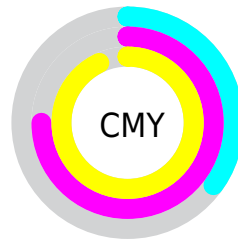


Cyan (0%)

Magenta (61%)

Yellow (89%)

Black (35%)



Cyan (35%)


Magenta (75%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.5165, 11.8236, 1.9312 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 17.5165, 11.8236, 1.9312 by changing the saturation by 10% instead.


 17.5165, 11.8236,
1.9312


 17.5165, 11.8236,
1.9312


231.2302,
203.2340, 121.2991


 10.7010, 6.6237,
0.5125


 38.7483, 29.1734,
8.8518


 5.9320, 3.2279,
0.0000


 53.8953, 42.0921,
15.2577


 2.8440, 1.2518,
0.0000

 72.5502, 58.3525,
24.1854

 1.0718, 0.1034,
0.0000

 95.0783, 78.3390,
36.0534


 0.0013, 0.0000,
0.0000


 121.8450,
102.4360, 51.2802


 0.0000, 0.0000,
0.0000


 153.2156,


131.0279, 70.2844


 189.5556,
164.4991, 93.4845


 17.5165, 11.8236,
1.9312


 17.5165, 11.8236,
1.9312


 16.8342, 10.6207,
1.2058


 18.4132, 13.3183,
3.1518

 16.7792, 10.5238,
1.1469

 19.5595, 15.1284,
5.0213

 20.9765, 17.2733,
7.6178

 22.6825, 19.7700,
11.0082

 24.6941, 22.6343,
15.2514

■ 27.0265, 25.8810,
20.4009

■ 29.6939, 29.5239,
26.5057

■ 32.7095, 33.5763,
33.6113

■ 36.0858, 38.0507,
41.7601

Harmonies

Analogous

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



21.0055, 11.8236, 6.4307



17.5165, 11.8236, 1.9312



12.8008, 11.8236, 0.7809

Triad

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



17.5165, 11.8236, 1.9312



4.8929, 11.8236, 9.0483



14.2600, 11.8236, 50.7358

Complementary

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



17.5165, 11.8236, 1.9312



13.5186, 15.8006, 37.9343

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.



9.8078, 11.8236, 53.2460



17.5165, 11.8236, 1.9312



5.0942, 11.8236, 22.6127

Square

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



17.5165, 11.8236, 1.9312



6.0286, 11.8236, 2.7998



6.6738, 11.8236, 40.7825



18.8170, 11.8236, 35.2225

Rectangle

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



17.5165, 11.8236, 1.9312



9.9081, 11.8236, 0.7711



6.6738, 11.8236, 40.7825



12.6818, 11.8236, 53.3886

Sweetspot

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



17.5168, 11.8243, 1.9314



49.1244, 47.3443, 38.1644



19.0300, 9.7506, 18.1591



10.4262, 9.9184, 7.6384



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.5168, 11.8243, 1.9314



29.8871, 18.5206, 1.9996



24.7217, 26.2341, 4.3330



7.2501, 7.4385, 7.4337



12.7346, 8.0432, 0.8813



0.3086, 0.2511, 0.0322

Inverse Universe

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



13.5186, 15.8006, 37.9343



22.3967, 25.3323, 67.4615



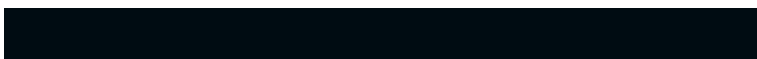
7.9774, 4.7182, 36.0872



7.0842, 7.6275, 9.0019



9.5876, 10.9545, 28.5389



0.2412, 0.3096, 0.6129

Previews

White Background



This preview shows how the XYZ color 17.5165, 11.8236, 1.9312 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



This preview shows how the XYZ color 17.5165, 11.8236, 1.9312 looks on a 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 17.5165, 11.8236, 1.9312

Background



This preview shows how black text looks on a background with the XYZ color 17.5165, 11.8236, 1.9312.



This preview shows how white text looks on a background with the XYZ color 17.5165, 11.8236,

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

17.5165, 11.8236, 1.9312

Protanopia

10.8608, 12.0612, 2.7329

Deuteranopia

11.9955, 11.8652, 1.6580



Tritanopia

18.3200, 11.8146, 6.1654

Trichromacy



Original Color

17.5165, 11.8236, 1.9312

Protanomaly

12.5357, 11.3846, 2.3473

Deuteranomaly

13.5369, 11.4532, 1.6982

Tritanomaly

17.9616, 11.7575, 4.0121

Monochromacy



Original Color

17.5165, 11.8236, 1.9312

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.2040, 10.0369, 6.1973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5165, 11.8236, 1.9312 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(165, 65, 18)` looks like.

```
.text, #text, p{  
    color:rgb(165, 65, 18)  
}
```

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(165, 65, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 65, 18) }
```

Border

The CSS property to change the border of an element to XYZ 17.5165, 11.8236, 1.9312 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(165, 65, 18) }
```


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

```
.border{ border-color:rgb(165, 65, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 65, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 65, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 65, 18);  
box-shadow:4px 4px 4px 4px rgb(165, 65,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5165, 11.8236, 1.9312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 65, 18) }
```

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

```
.background{ background-color: rgb(165, 65,  
18) }
```

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