

Converting Colors

XYZ(17.8637, 11.2242, 1.9248)

Have a look what the booklet for
XYZ(17.8637, 11.2242, 1.9248)
contains.

XYZ(17.8637, 11.2215, 1.9339)	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(17.8637, 11.2215,
1.9339)**

Conversions

Conversions Part 1

Format	Color
Hex	A93715
RGB	169, 55, 21
RGB Percent	66%, 22%, 8%
CMY	0.3373, 0.7843, 0.9176
CMYK	0.00, 0.67, 0.88, 0.34
HSL	14°, 78%, 37%
HSV	14°, 88%, 66%
XYZ	17.8637, 11.2215, 1.9339
YIQ	85.2100, 78.8580, 13.5940

Conversions

Conversions Part 2

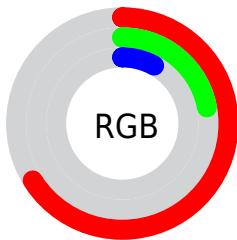
Format	Color
R _Y B	169, 65, 21
Decimal	11089685
CIE Lab	39.95, 45.24, 44.29
CIE LCh	40, 63.305, 44.391
Yxy	11.2215, 0.5759, 0.3618
Android (android.graphics.Color)	4289279765 (0xFFA93715)
YUV	85.2100, -31.6555, 73.4838
Hunter-Lab	33.4985, 36.5660, 20.0261

Details

The XYZ color **17.8637, 11.2215, 1.9339** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.1336, 20.3500, 40.6134**, and the grayscale version is **8.7320, 9.1867, 10.0043**.

A 20% lighter version of the original color is **39.3609, 28.1314, 8.8242**, and **6.3067, 3.2512, 0.2951** is the 20% darker color. If you saturate the color by 10%, you get **17.2121, 10.0992, 1.1599**, and if you desaturate by 10%, it is **18.7789, 12.7114, 3.2891**.

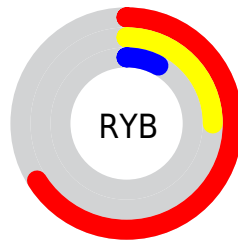
Distribution



Red (66%)

Green (22%)

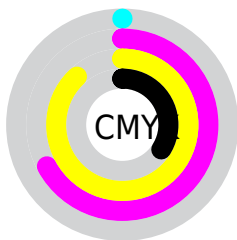
Blue (8%)



Red (66%)

Yellow (25%)

Blue (8%)

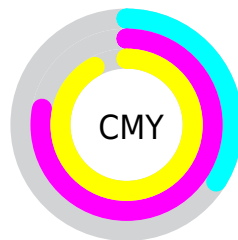


Cyan (0%)

Magenta (67%)

Yellow (88%)

Black (34%)



Cyan (34%)


Magenta (78%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8637, 11.2215, 1.9339 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 17.8637, 11.2215, 1.9339 by changing the saturation by 10% instead.


 17.8637, 11.2215,
1.9339


 17.8637, 11.2215,
1.9339


233.1621,
199.1809, 121.3418


 10.9513, 6.2160,
0.5142


 39.3368, 28.0690,
8.8593


 6.1011, 2.9769,
0.0000


 54.6283, 40.6799,
15.2684


 2.9479, 1.1197,
0.0000

 73.4434, 56.5946,
24.1999

 1.1263, 0.0000,
0.0000

 96.1476, 76.1977,
36.0724


 0.0469, 0.0000,
0.0000


 123.1062, 99.8735,
51.3042


 0.0000, 0.0000,
0.0000


 154.6846,


128.0063, 70.3140


 191.2481,
160.9807, 93.5204


 17.8637, 11.2215,
1.9339


 17.8637, 11.2215,
1.9339


 17.2121, 10.0992,
1.1599


 18.7789, 12.7114,
3.2891

 17.0820, 9.8750,
1.0057

 19.9923, 14.5998,
5.3538

 21.5298, 16.9146,
8.2099

 23.4139, 19.6804,
11.9282

 25.6651, 22.9200,
16.5712

■ 28.3021, 26.6546,
22.1959

■ 31.3423, 30.9040,
28.8545

■ 34.8022, 35.6869,
36.5956

■ 38.6972, 41.0212,
45.4644

Harmonies

Analogous

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



21.0450, 11.2215, 7.1620



17.8637, 11.2215, 1.9339



13.0890, 11.2215, 0.5530

Triad

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



17.8637, 11.2215, 1.9339



4.4491, 11.2215, 6.8216



12.8923, 11.2215, 53.4660

Complementary

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



17.8637, 11.2215, 1.9339



16.1336, 20.3500, 40.6134

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.



8.5616, 11.2215, 53.1127



17.8637, 11.2215, 1.9339



4.4234, 11.2215, 19.2248

Square

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



17.8637, 11.2215, 1.9339



5.8030, 11.2215, 1.8300



5.7193, 11.2215, 37.9524



17.6862, 11.2215, 38.7274

Rectangle

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



17.8637, 11.2215, 1.9339



10.0355, 11.2215, 0.4028



5.7193, 11.2215, 37.9524



11.3218, 11.2215, 55.3174

Sweetspot

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



17.8639, 11.2222, 1.9341



51.2551, 48.5347, 40.9807



21.1408, 10.7755, 24.6074



10.8089, 10.0682, 8.1491



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.



17.8639, 11.2222, 1.9341



30.4611, 17.4213, 1.7572



24.0954, 23.6850, 4.0112



7.6658, 7.8117, 7.8930



12.7662, 7.4297, 0.7612



0.3476, 0.2547, 0.0308

Inverse Universe

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



16.1336, 20.3500, 40.6134



26.9970, 33.4729, 72.2631



9.2445, 6.5717, 38.3170



7.5992, 8.2354, 9.6074



11.3453, 14.1507, 30.1089



0.3109, 0.4141, 0.7442

Previews

White Background



This preview shows how the XYZ color 17.8637, 11.2215, 1.9339 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 17.8637, 11.2215, 1.9339 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 17.8637, 11.2215, 1.9339

Background



This preview shows how black text looks on a background with the XYZ color 17.8637, 11.2215, 1.9339.



This preview shows how white text looks on a background with the XYZ color 17.8637, 11.2215,

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

17.8637, 11.2215, 1.9339

Protanopia

10.2834, 11.3475, 2.9446

Deuteranopia

11.4019, 11.3054, 1.5812



Tritanopia

18.4714, 11.2684, 4.6915

Trichromacy



Original Color

17.8637, 11.2215, 1.9339

Protanomaly

12.1198, 10.4836, 2.4217

Deuteranomaly

13.1789, 10.7286, 1.6059

Tritanomaly

18.2686, 11.2594, 3.4009

Monochromacy



Original Color

17.8637, 11.2215, 1.9339

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.5207, 8.9584, 5.7321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8637, 11.2215, 1.9339 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(169, 55, 21)` looks like.

```
.text, #text, p{  
    color:rgb(169, 55, 21)  
}
```

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(169, 55, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 55, 21) }
```

Border

The CSS property to change the border of an element to XYZ 17.8637, 11.2215, 1.9339 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(169, 55, 21) }
```


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

```
.border{ border-color:rgb(169, 55, 21) }
```

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

Here you see how a box with a 4 pixel rgb(169, 55, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 55, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 55, 21);  
box-shadow:4px 4px 4px 4px rgb(169, 55,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8637, 11.2215, 1.9339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 55, 21) }
```

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

```
.background{ background-color: rgb(169, 55,  
21) }
```

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