

Converting Colors

XYZ(17.7722, 11.2505, 1.2349)

Have a look what the booklet for
XYZ(17.7722, 11.2505, 1.2349)
contains.

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Color

**XYZ(17.7764, 11.2634,
1.2371)**

Conversions

Conversions Part 1

Format	Color
Hex	A93800
RGB	169, 56, 0
RGB Percent	66%, 22%, 0%
CMY	0.3373, 0.7804, 1.0000
CMYK	0.00, 0.67, 1.00, 0.34
HSL	20°, 100%, 33%
HSV	20°, 100%, 66%
XYZ	17.7764, 11.2634, 1.2371
YIQ	83.4030, 85.3240, 6.5400

Conversions

Conversions Part 2

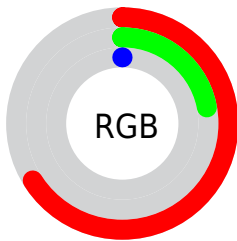
Format	Color
R_{YB}	169, 84, 0
Decimal	11089920
CIE _{Lab}	40.02, 44.47, 51.63
CIE _{LCh}	40, 68.138, 49.259
Yxy	11.2634, 0.5871, 0.3720
Android (android.graphics.Color)	4289280000 (0xFFA93800)
YUV	83.4030, -41.1177, 75.0686
Hunter-Lab	33.5610, 35.8152, 21.3072

Details

The XYZ color **17.7764, 11.2634, 1.2371** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.0657, 14.6732, 39.6795**, and the grayscale version is **8.3741, 8.8102, 9.5943**.

A 20% lighter version of the original color is **39.3071, 28.1473, 6.8513**, and **6.1843, 3.1881, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **17.7766, 11.2640, 1.2372**, and if you desaturate by 10%, it is **18.4879, 12.5260, 1.9696**.

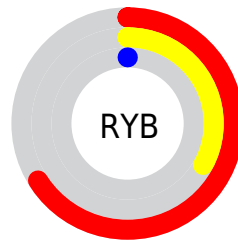
Distribution



Red (66%)

Green (22%)

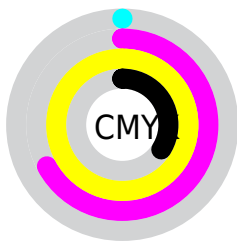
Blue (0%)



Red (66%)

Yellow (33%)

Blue (0%)

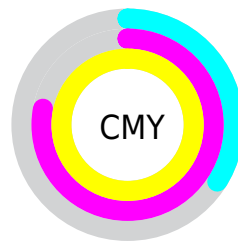


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7764, 11.2634, 1.2371 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 17.7764, 11.2634, 1.2371 by changing the saturation by 10% instead.


 17.7764, 11.2634,
1.2371


 17.7764, 11.2634,
1.2371


 232.6777,
199.4658, 109.1026


 10.8883, 6.2443,
0.0094


 39.1890, 28.1462,
6.8244


 6.0585, 2.9942,
0.0000


 54.4442, 40.7787,
12.3016

 2.9217, 1.1287,
0.0000

 73.2192, 56.7178,
20.1259

 1.1125, 0.0023,
0.0000

 95.8793, 76.3479,
30.7158

 0.0355, 0.0000,
0.0000


 122.7898,
100.0533, 44.4899


 0.0000, 0.0000,
0.0000


 154.3162,


128.2185, 61.8667


 190.8237,
161.2279, 83.2647


 17.7764, 11.2634,
1.2371


 17.7764, 11.2634,
1.2371


 17.7766, 11.2640,
1.2372

 18.4879, 12.5260,
1.9696

 19.4156, 14.0846,
3.1936

 20.6012, 15.9677,
5.0938

 22.0669, 18.1946,
7.7540

 23.8319, 20.7828,
11.2461

■ 25.9137, 23.7484,
15.6332

■ 28.3283, 27.1067,
20.9724

■ 31.0903, 30.8717,
27.3160

■ 34.2137, 35.0571,
34.7124

Harmonies

Analogous

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



21.7425, 11.2634, 5.5406



17.7764, 11.2634, 1.2371



12.4850, 11.2634, 0.1438

Triad

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



17.7764, 11.2634, 1.2371



4.0420, 11.2634, 8.0347



13.9815, 11.2634, 56.7067

Complementary

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



17.7764, 11.2634, 1.2371



13.0657, 14.6732, 39.6795

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.



9.1037, 11.2634, 59.5210



17.7764, 11.2634, 1.2371



4.2267, 11.2634, 22.9710

Square

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



17.7764, 11.2634, 1.2371



5.2025, 11.2634, 1.9267



5.8132, 11.2634, 44.3124



19.1446, 11.2634, 38.1992

Rectangle

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



17.7764, 11.2634, 1.2371



9.3126, 11.2634, 0.1224



5.8132, 11.2634, 44.3124



12.2308, 11.2634, 59.8560

Sweetspot

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



17.7766, 11.2641, 1.2373



50.4867, 48.2054, 37.0019



19.4845, 9.6839, 17.2081



10.6110, 9.9631, 7.1873



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.



17.7766, 11.2641, 1.2373



31.6651, 19.8294, 2.1585



25.4529, 26.6166, 3.7960



7.7267, 7.9334, 7.9133



13.2936, 8.4844, 0.9370



0.3701, 0.2997, 0.0383

Inverse Universe

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



13.0657, 14.6732, 39.6795



23.2009, 25.8807, 70.9977



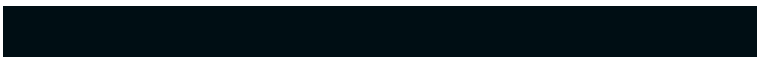
7.6510, 3.8437, 37.8745



7.5349, 8.1068, 9.5860



9.7884, 11.0369, 29.5899



0.2821, 0.3564, 0.7346

Previews

White Background



This preview shows how the XYZ color 17.7764, 11.2634, 1.2371 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 17.7764, 11.2634, 1.2371 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 17.7764, 11.2634, 1.2371

Background



This preview shows how black text looks on a background with the XYZ color 17.7764, 11.2634, 1.2371.



This preview shows how white text looks on a background with the XYZ color 17.7764, 11.2634,

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

17.7764, 11.2634, 1.2371

Protanopia

10.3555, 11.5352, 2.2530

Deuteranopia

11.4868, 11.4752, 1.6095



Tritanopia

18.4951, 11.2779, 4.8165

Trichromacy



Original Color

17.7764, 11.2634, 1.2371

Protanomaly

12.2088, 10.6548, 1.7297

Deuteranomaly

13.2056, 10.8521, 1.3986

Tritanomaly

18.1540, 11.2136, 2.7977

Monochromacy



Original Color

17.7764, 11.2634, 1.2371

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.9646, 8.5995, 4.5028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7764, 11.2634, 1.2371 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, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 56, 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(169, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 56, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.7764, 11.2634, 1.2371 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, 56, 0) }
```


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

```
.border{ border-color:rgb(169, 56, 0) }
```

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

Here you see how a box with a 4 pixel rgb(169, 56, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 56, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7764, 11.2634, 1.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 56, 0) }
```

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

```
.background{ background-color: rgb(169, 56,  
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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