

Converting Colors

XYZ(17.1713, 12.2472, 1.4714)

Have a look what the booklet for
XYZ(17.1713, 12.2472, 1.4714)
contains.

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Color

**XYZ(17.2177, 12.3161,
1.4698)**

Conversions

Conversions Part 1

Format	Color
Hex	A24800
RGB	162, 72, 0
RGB Percent	64%, 28%, 0%
CMY	0.3647, 0.7176, 1.0000
CMYK	0.00, 0.56, 1.00, 0.36
HSL	27°, 100%, 32%
HSV	27°, 100%, 64%
XYZ	17.2177, 12.3161, 1.4698
YIQ	90.7020, 76.7520, -3.3120

Conversions

Conversions Part 2

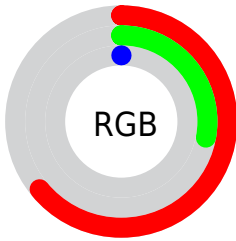
Format	Color
RYB	162, 130, 0
Decimal	10635264
CIELab	41.71, 34.14, 51.89
CIELCh	42, 62.112, 56.654
Yxy	12.3161, 0.5553, 0.3972
Android (android.graphics.Color)	4288825344 (0xFFA24800)
YUV	90.7020, -44.7161, 62.5283
Hunter-Lab	35.0943, 26.1593, 22.0829

Details

The XYZ color **17.2177, 12.3161, 1.4698** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.1776, 9.9207, 35.5607**, and the grayscale version is **9.9628, 10.4816, 11.4145**.

A 20% lighter version of the original color is **38.2282, 30.1394, 7.5440**, and **5.8999, 3.4964, 0.3639** is the 20% darker color. If you saturate the color by 10%, you get **17.2178, 12.3165, 1.4698**, and if you desaturate by 10%, it is **17.9381, 13.6050, 2.1788**.

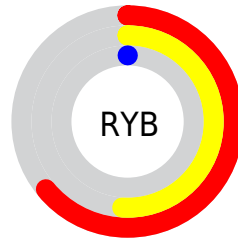
Distribution



Red (64%)

Green (28%)

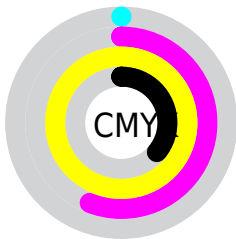
Blue (0%)



Red (64%)

Yellow (51%)

Blue (0%)

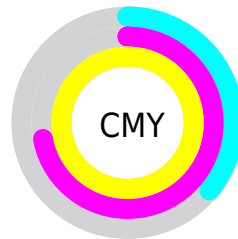


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 17.2177, 12.3161, 1.4698 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 17.2177, 12.3161, 1.4698 by changing the saturation by 10% instead.


 17.2177, 12.3161,
1.4698


 17.2177, 12.3161,
1.4698


 229.5557,
206.4869, 113.5089


 10.4861, 6.9593,
0.1953


 38.2403, 30.0695,
7.5328


 5.7871, 3.4367,
0.0000

 53.2621, 43.2350,
13.3446

 2.7555, 1.3637,
0.0000

 71.7779, 59.7721,
21.5681

 1.0258, 0.1898,
0.0000

 94.1531, 80.0653,
32.6218


 0.0000, 0.0000,
0.0000


 120.7532,
104.4990, 46.9241


 151.9434,


133.4576, 64.8937


 188.0891,
167.3254, 86.9492


 17.2177, 12.3161,
1.4698


 17.2177, 12.3161,
1.4698

 17.2178, 12.3165,
1.4698

 17.9381, 13.6050,
2.1788

 18.8230, 15.1010,
3.3182

 19.9085, 16.8243,
5.0602

 21.2117, 18.7867,
7.4795

 22.7473, 20.9989,
10.6396

■ 24.5287, 23.4708,
14.5967

■ 26.5680, 26.2115,
19.4013

■ 28.8766, 29.2297,
25.0998

■ 31.4649, 32.5338,
31.7354

Harmonies

Analogous

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



21.4213, 12.3161, 5.0049



17.2177, 12.3161, 1.4698



12.2253, 12.3161, 0.6932

Triad

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



17.2177, 12.3161, 1.4698



4.9533, 12.3161, 11.9973



16.0966, 12.3161, 50.7016

Complementary

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



17.2177, 12.3161, 1.4698



10.1776, 9.9207, 35.5607

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.



11.2018, 12.3161, 57.3450



17.2177, 12.3161, 1.4698



5.4882, 12.3161, 28.1243

Square

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



17.2177, 12.3161, 1.4698



5.8029, 12.3161, 3.8010



7.5175, 12.3161, 47.2273



20.6648, 12.3161, 32.4918

Rectangle

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



17.2177, 12.3161, 1.4698



9.3687, 12.3161, 0.8679



7.5175, 12.3161, 47.2273



14.4031, 12.3161, 54.7236

Sweetspot

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



17.2180, 12.3168, 1.4700



48.0074, 47.2866, 34.6783



16.8234, 8.4507, 10.8242



10.4379, 10.1607, 6.9674



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.



17.2180, 12.3168, 1.4700



31.0596, 21.9631, 2.6023



25.9991, 29.8790, 4.3970



7.3208, 7.5800, 7.4573



13.6064, 9.7868, 1.1719



0.3328, 0.2994, 0.0402

Inverse Universe

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



10.1776, 9.9207, 35.5607



18.2685, 17.5937, 64.4892



6.6390, 2.8435, 34.3812



7.0114, 7.4818, 8.9777



8.0615, 7.9025, 28.0302



0.2156, 0.2584, 0.6044

Previews

White Background



This preview shows how the XYZ color 17.2177, 12.3161, 1.4698 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 17.2177, 12.3161, 1.4698 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 17.2177, 12.3161, 1.4698

Background



This preview shows how black text looks on a background with the XYZ color 17.2177, 12.3161, 1.4698.



This preview shows how white text looks on a background with the XYZ color 17.2177, 12.3161,

1.4698.

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

17.2177, 12.3161, 1.4698

Protanopia

11.3255, 12.5936, 2.2858

Deuteranopia

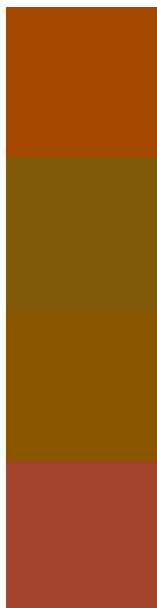
12.4602, 12.3654, 1.7300



Tritanopia

18.4543, 12.3618, 7.3746

Trichromacy



Original Color

17.2177, 12.3161, 1.4698

Protanomaly

12.9169, 12.0801, 1.9381

Deuteranomaly

13.8090, 12.0589, 1.5998

Tritanomaly

17.7060, 12.2322, 3.9105

Monochromacy



Original Color

17.2177, 12.3161, 1.4698

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.2702, 10.4280, 5.4218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.2177, 12.3161, 1.4698 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(162, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 72, 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(162, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 72, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.2177, 12.3161, 1.4698 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(162, 72, 0) }
```


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

```
.border{ border-color:rgb(162, 72, 0) }
```

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

Here you see how a box with a 4 pixel rgb(162, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.2177, 12.3161, 1.4698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 72, 0) }
```

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

```
.background{ background-color: rgb(162, 72,  
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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