

Converting Colors

XYZ(17.6996, 12.0196, 1.6466)

Have a look what the booklet for
XYZ(17.6996, 12.0196, 1.6466)
contains.

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Color

**XYZ(17.7234, 12.0231,
1.6450)**

Conversions

Conversions Part 1

Format	Color
Hex	A64209
RGB	166, 66, 9
RGB Percent	65%, 26%, 4%
CMY	0.3490, 0.7412, 0.9647
CMYK	0.00, 0.60, 0.95, 0.35
HSL	22°, 90%, 34%
HSV	22°, 95%, 65%
XYZ	17.7234, 12.0231, 1.6450
YIQ	89.4020, 77.8970, 3.4730

Conversions

Conversions Part 2

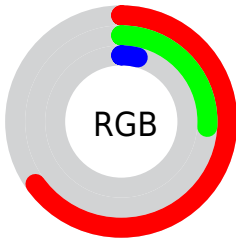
Format	Color
R_{YB}	166, 98, 9
Decimal	10895881
CIE _{Lab}	41.25, 38.87, 49.27
CIE _{LCh}	41, 62.759, 51.726
Yxy	12.0231, 0.5646, 0.3830
Android (android.graphics.Color)	4289085961 (0xFFA64209)
YUV	89.4020, -39.6382, 67.1764
Hunter-Lab	34.6743, 30.5582, 21.4592

Details

The XYZ color **17.7234, 12.0231, 1.6450** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.4638, 13.7477, 38.0728**, and the grayscale version is **9.6585, 10.1614, 11.0658**.

A 20% lighter version of the original color is **39.1985, 29.5535, 8.0533**, and **6.0753, 3.3271, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **17.3559, 11.3672, 1.2793**, and if you desaturate by 10%, it is **18.5323, 13.4287, 2.5694**.

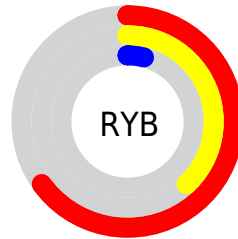
Distribution



Red (65%)

Green (26%)

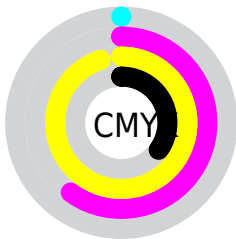
Blue (4%)



Red (65%)

Yellow (38%)

Blue (4%)

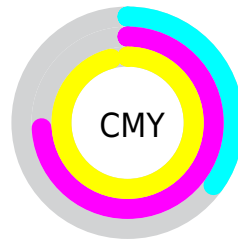


Cyan (0%)

Magenta (60%)

Yellow (95%)

Black (35%)



Cyan (35%)

Magenta (74%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7234, 12.0231, 1.6450 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 17.7234, 12.0231, 1.6450 by changing the saturation by 10% instead.

■ 17.7234, 12.0231,
1.6450

■ 17.7234, 12.0231,
1.6450

■ 232.3832,
204.5582, 116.5952

■ 10.8501, 6.7594,
0.3226

■ 39.0992, 29.5372,
8.0453

■ 6.0327, 3.3121,
0.0000

■ 54.3324, 42.5563,
14.0922

■ 2.9058, 1.2968,
0.0000

■ 73.0830, 58.9295,
22.5949

■ 1.1041, 0.1387,
0.0000

■ 95.7162, 79.0409,
33.9720

■ 0.0286, 0.0000,
0.0000


■ 122.5975,
103.2751, 48.6421


■ 0.0000, 0.0000,
0.0000


■ 154.0922,


132.0165, 67.0236


 190.5656,
165.6494, 89.5351


 17.7234, 12.0231,
1.6450


 17.7234, 12.0231,
1.6450


 17.3559, 11.3672,
1.2793

 18.5323, 13.4287,
2.5694

 19.5678, 15.1165,
4.0960

 20.8520, 17.1045,
6.3133

 22.4035, 19.4083,
9.2944

 24.2390, 22.0423,
13.1028

■ 26.3734, 25.0198,
17.7952

■ 28.8207, 28.3533,
23.4235

■ 31.5938, 32.0547,
30.0353

■ 34.7049, 36.1353,
37.6751

Harmonies

Analogous

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



21.5909, 12.0231, 5.8529



17.7234, 12.0231, 1.6450



12.7287, 12.0231, 0.6306

Triad

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



17.7234, 12.0231, 1.6450



4.7890, 12.0231, 9.8167



14.9683, 12.0231, 52.6832

Complementary

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



17.7234, 12.0231, 1.6450



12.4638, 13.7477, 38.0728

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.



10.2183, 12.0231, 56.6069



17.7234, 12.0231, 1.6450



5.0911, 12.0231, 24.6799

Square

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



17.7234, 12.0231, 1.6450



5.8586, 12.0231, 2.9160



6.8332, 12.0231, 44.1052



19.7296, 12.0231, 35.4480

Rectangle

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



17.7234, 12.0231, 1.6450



9.7457, 12.0231, 0.6765



6.8332, 12.0231, 44.1052



13.2927, 12.0231, 55.9164

Sweetspot

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



17.7237, 12.0238, 1.6452



50.4863, 48.9947, 38.2751



18.6955, 9.4512, 15.8924



10.8889, 10.4058, 7.6288



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.



17.7237, 12.0238, 1.6452



31.3153, 20.2621, 2.2605



25.5152, 27.6068, 4.2424



7.7458, 7.9716, 7.9197



13.4999, 8.8971, 1.0058



0.3771, 0.3137, 0.0407

Inverse Universe

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



12.4638, 13.7477, 38.0728



21.5877, 23.1883, 68.8133



7.5271, 3.8743, 36.4272



7.5151, 8.0670, 9.5794



9.3578, 10.1759, 29.4464



0.2737, 0.3396, 0.7318

Previews

White Background



This preview shows how the XYZ color 17.7234, 12.0231, 1.6450 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 17.7234, 12.0231, 1.6450 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 17.7234, 12.0231, 1.6450

Background



This preview shows how black text looks on a background with the XYZ color 17.7234, 12.0231, 1.6450.



This preview shows how white text looks on a background with the XYZ color 17.7234, 12.0231,

1.6450.

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

17.7234, 12.0231, 1.6450

Protanopia

11.0408, 12.1619, 2.3817

Deuteranopia

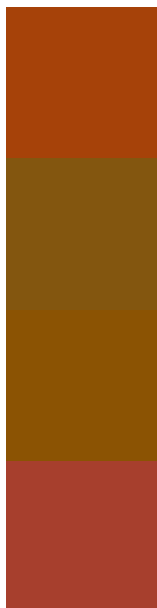
12.2265, 12.1138, 1.6938



Tritanopia

18.5592, 11.9346, 6.3265

Trichromacy



Original Color

17.7234, 12.0231, 1.6450

Protanomaly

12.7741, 11.5154, 2.0014

Deuteranomaly

13.7572, 11.6821, 1.6159

Tritanomaly

18.1875, 11.9600, 3.8325

Monochromacy



Original Color

17.7234, 12.0231, 1.6450

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.0942, 9.9930, 5.6191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7234, 12.0231, 1.6450 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, 66, 9)` looks like.

```
.text, #text, p{  
    color:rgb(166, 66, 9)  
}
```

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, 66, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 66, 9) }
```

Border

The CSS property to change the border of an element to XYZ 17.7234, 12.0231, 1.6450 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, 66, 9) }
```


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

```
.border{ border-color:rgb(166, 66, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 66, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 66, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 66, 9);  
box-shadow:4px 4px 4px 4px rgb(166, 66, 9)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.7234, 12.0231, 1.6450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 66, 9) }
```

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

```
.background{ background-color: rgb(166, 66,  
9) }
```

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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