

Converting Colors

XYZ(17.6755, 12.4268, 1.6582)

Have a look what the booklet for
XYZ(17.6755, 12.4268, 1.6582)
contains.

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Color

**XYZ(17.6014, 12.4143,
1.6695)**

Conversions

Conversions Part 1

Format	Color
Hex	A44707
RGB	164, 71, 7
RGB Percent	64%, 28%, 3%
CMY	0.3569, 0.7215, 0.9725
CMYK	0.00, 0.57, 0.96, 0.36
HSL	24°, 92%, 34%
HSV	24°, 96%, 64%
XYZ	17.6014, 12.4143, 1.6695
YIQ	91.5110, 75.9720, -0.1880

Conversions

Conversions Part 2

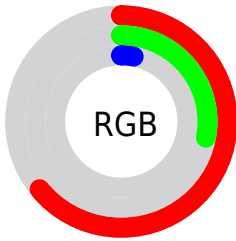
Format	Color
RYB	164, 115, 7
Decimal	10766087
CIELab	41.87, 35.57, 50.08
CIELCh	42, 61.430, 54.618
Yxy	12.4143, 0.5555, 0.3918
Android (android.graphics.Color)	4288956167 (0xFFA44707)
YUV	91.5110, -41.6639, 63.5729
Hunter-Lab	35.2339, 27.5118, 21.8544

Details

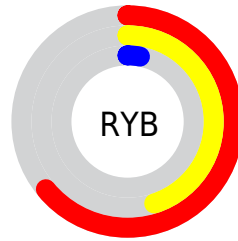
The XYZ color **17.6014, 12.4143, 1.6695** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.3452, 11.8391, 36.8088**, and the grayscale version is **10.1411, 10.6693, 11.6188**.

A 20% lighter version of the original color is **38.8265, 30.2529, 8.0680**, and **6.0939, 3.5396, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **17.3084, 11.8899, 1.3827**, and if you desaturate by 10%, it is **18.3901, 13.7992, 2.5262**.

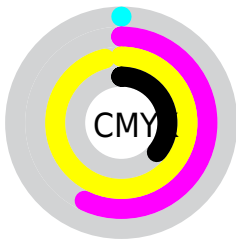
Distribution



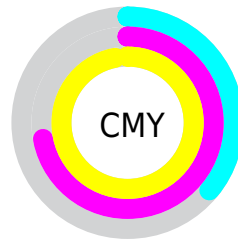
- Red (64%)
- Green (28%)
- Blue (3%)



- Red (64%)
- Yellow (45%)
- Blue (3%)



- Cyan (0%)
- Magenta (57%)
- Yellow (96%)
- Black (36%)





- Cyan (36%)
- Magenta (72%)
- Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6014, 12.4143, 1.6695 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 17.6014, 12.4143, 1.6695 by changing the saturation by 10% instead.


 17.6014, 12.4143,
1.6695


 17.6014, 12.4143,
1.6695


 231.7039,
207.1291, 117.0132


 10.7621, 7.0265,
0.3397


 38.8924, 30.2475,
8.1158


 5.9732, 3.4787,
0.0000


 54.0748, 43.4616,
14.1945


 2.8693, 1.3864,
0.0000

 72.7690, 60.0533,
22.7351

 1.0850, 0.2067,
0.0000

 95.3403, 80.4070,
34.1559

 0.0125, 0.0000,
0.0000


 122.1541,
104.9070, 48.8756


 0.0000, 0.0000,
0.0000


 153.5757,


133.9377, 67.3127


 189.9706,
167.8836, 89.8857


 17.6014, 12.4143,
1.6695


 17.6014, 12.4143,
1.6695


 17.3084, 11.8899,
1.3827

 18.3901, 13.7992,
2.5262

 19.3822, 15.4301,
3.9466

 20.5999, 17.3227,
6.0253

 22.0602, 19.4904,
8.8337

 23.7786, 21.9450,
12.4342

■ 25.7688, 24.6978,
16.8822

■ 28.0436, 27.7593,
22.2281

■ 30.6148, 31.1393,
28.5184

■ 33.4935, 34.8473,
35.7962

Harmonies

Analogous

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



21.6319, 12.4143, 5.5559



17.6014, 12.4143, 1.6695



12.6361, 12.4143, 0.7708

Triad

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



17.6014, 12.4143, 1.6695



5.0741, 12.4143, 11.3079



15.8164, 12.4143, 51.2910

Complementary

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



17.6014, 12.4143, 1.6695



11.3452, 11.8391, 36.8088

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.



11.0005, 12.4143, 56.7258



17.6014, 12.4143, 1.6695



5.5159, 12.4143, 26.8136

Square

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



17.6014, 12.4143, 1.6695



6.0233, 12.4143, 3.6017



7.4371, 12.4143, 45.8022



20.4301, 12.4143, 33.7404

Rectangle

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



17.6014, 12.4143, 1.6695



9.7331, 12.4143, 0.8909



7.4371, 12.4143, 45.8022



14.1392, 12.4143, 54.9286

Sweetspot

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



17.6017, 12.4150, 1.6697



49.2666, 48.2008, 36.4480



17.7445, 8.9880, 13.1631



10.4092, 10.0501, 7.1221



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.



17.6017, 12.4150, 1.6697



31.2244, 21.1952, 2.4454



25.9850, 29.1817, 4.4642



7.2998, 7.5380, 7.4503



13.3159, 9.2058, 1.0751



0.3256, 0.2851, 0.0379

Inverse Universe

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



11.3452, 11.8391, 36.8088



19.7366, 20.0121, 66.5748



7.0889, 3.3265, 35.3901



7.0328, 7.5245, 8.9848



8.4732, 8.7259, 28.1675



0.2228, 0.2728, 0.6068

Previews

White Background



This preview shows how the XYZ color 17.6014, 12.4143, 1.6695 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 17.6014, 12.4143, 1.6695 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 17.6014, 12.4143, 1.6695

Background



This preview shows how black text looks on a background with the XYZ color 17.6014, 12.4143, 1.6695.



This preview shows how white text looks on a background with the XYZ color 17.6014, 12.4143,

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

17.6014, 12.4143, 1.6695

Protanopia

11.3404, 12.5996, 2.3646

Deuteranopia

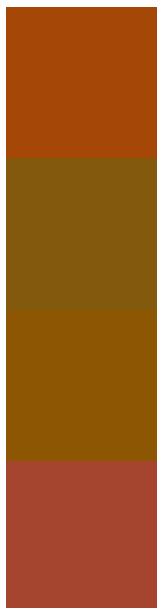
12.6964, 12.6200, 1.7667



Tritanopia

18.7796, 12.4456, 7.2068

Trichromacy



Original Color

17.6014, 12.4143, 1.6695

Protanomaly

13.0051, 11.9991, 2.0114

Deuteranomaly

14.1594, 12.2376, 1.7020

Tritanomaly

18.0973, 12.3388, 4.1171

Monochromacy



Original Color

17.6014, 12.4143, 1.6695

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.4838, 10.5291, 5.8419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6014, 12.4143, 1.6695 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(164, 71, 7)` looks like.

```
.text, #text, p{  
    color:rgb(164, 71, 7)  
}
```

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(164, 71, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 71, 7) }
```

Border

The CSS property to change the border of an element to XYZ 17.6014, 12.4143, 1.6695 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(164, 71, 7) }
```


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

```
.border{ border-color:rgb(164, 71, 7) }
```

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

Here you see how a box with a 4 pixel rgb(164, 71, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 71, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 71, 7);  
box-shadow:4px 4px 4px 4px rgb(164, 71, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.6014, 12.4143, 1.6695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 71, 7) }
```

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

```
.background{ background-color: rgb(164, 71,  
7) }
```

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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