

Converting Colors

XYZ(16.5800, 12.8074, 1.5982)

Have a look what the booklet for
XYZ(16.5800, 12.8074, 1.5982)
contains.

XYZ(16.5790, 12.8052, 1.5979)	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(16.5790, 12.8052,
1.5979)**

Conversions

Conversions Part 1

Format	Color
Hex	9C5000
RGB	156, 80, 0
RGB Percent	61%, 31%, 0%
CMY	0.3882, 0.6863, 1.0000
CMYK	0.00, 0.49, 1.00, 0.39
HSL	31°, 100%, 31%
HSV	31°, 100%, 61%
XYZ	16.5790, 12.8052, 1.5979
YIQ	93.6040, 70.9760, -8.7680

Conversions

Conversions Part 2

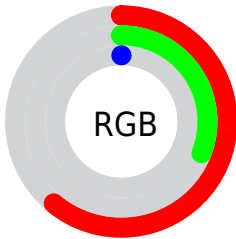
Format	Color
R_{YB}	148, 156, 0
Decimal	10244096
CIE _{Lab}	42.47, 27.35, 51.84
CIE _{LCh}	42, 58.614, 62.186
Yxy	12.8052, 0.5351, 0.4133
Android (android.graphics.Color)	4288434176 (0xFF9C5000)
YUV	93.6040, -46.1468, 54.7213
Hunter-Lab	35.7844, 20.0770, 22.4015

Details

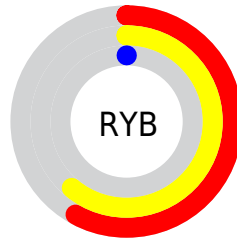
The XYZ color **16.5790, 12.8052, 1.5979** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.5853, 7.5693, 32.4609**, and the grayscale version is **10.6399, 11.1940, 12.1903**.

A 20% lighter version of the original color is **37.0401, 30.8596, 7.8752**, and **5.5809, 3.6844, 0.4170** is the 20% darker color. If you saturate the color by 10%, you get **16.5790, 12.8055, 1.5979**, and if you desaturate by 10%, it is **17.2582, 14.0188, 2.2712**.

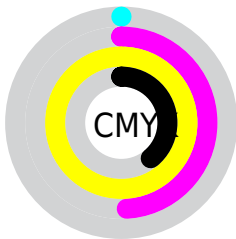
Distribution



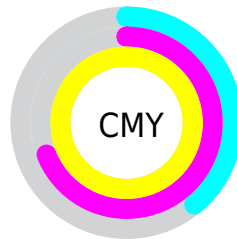
- Red (61%)
- Green (31%)
- Blue (0%)



- Red (58%)
- Yellow (61%)
- Blue (0%)



- Cyan (0%)
- Magenta (49%)
- Yellow (100%)
- Black (39%)





- Cyan (39%)
- Magenta (69%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5790, 12.8052, 1.5979 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 16.5790, 12.8052, 1.5979 by changing the saturation by 10% instead.


 16.5790, 12.8052,
1.5979


 16.5790, 12.8052,
1.5979


 225.9383,
209.6654, 115.7826


 10.0282, 7.2945,
0.2893


 37.1499, 30.9534,
7.9091


 5.4801, 3.6470,
0.0000

 51.9007, 44.3597,
13.8940

 2.5692, 1.4781,
0.0000

 70.1156, 61.1667,
22.3233

 0.9303, 0.2733,
0.0000

 92.1599, 81.7587,
33.6153


 0.0000, 0.0000,
0.0000


 118.3989,
106.5202, 48.1887


 149.1981,


135.8356, 66.4621


 184.9228,
170.0892, 88.8538


 16.5790, 12.8052,
1.5979


 16.5790, 12.8052,
1.5979


 16.5790, 12.8055,
1.5979

 17.2582, 14.0188,
2.2712

 18.0709, 15.3892,
3.3285

 19.0502, 16.9331,
4.9332

 20.2105, 18.6593,
7.1524

 21.5644, 20.5757,
10.0437

■ 23.1232, 22.6894,
13.6579

■ 24.8970, 25.0072,
18.0407

■ 26.8953, 27.5353,
23.2342

■ 29.1270, 30.2797,
29.2774

Harmonies

Analogous

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



20.8655, 12.8052, 4.5860



16.5790, 12.8052, 1.5979



11.8500, 12.8052, 1.0255

Triad

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



16.5790, 12.8052, 1.5979



5.5045, 12.8052, 14.8909



17.2779, 12.8052, 46.3160

Complementary

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



16.5790, 12.8052, 1.5979



8.5853, 7.5693, 32.4609

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.



12.4977, 12.8052, 55.1007



16.5790, 12.8052, 1.5979



6.3058, 12.8052, 31.3237

Square

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



16.5790, 12.8052, 1.5979



6.0992, 12.8052, 5.3949



8.6230, 12.8052, 48.4117



21.3328, 12.8052, 28.6482

Rectangle

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



16.5790, 12.8052, 1.5979



9.2377, 12.8052, 1.3714



8.6230, 12.8052, 48.4117



15.6675, 12.8052, 50.7633

Sweetspot

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



16.5793, 12.8059, 1.5981



45.0165, 45.1583, 32.2510



15.0856, 7.6181, 7.8836



9.6207, 9.5676, 6.3833



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.5793, 12.8059, 1.5981



29.9146, 22.8629, 2.8363



25.5987, 30.8448, 4.6046



6.9002, 7.1804, 7.0079



13.6909, 10.6175, 1.3278



0.2871, 0.2744, 0.0378

Inverse Universe

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



8.5853, 7.5693, 32.4609



15.3972, 13.3559, 58.8932



6.0009, 2.4004, 31.5994



6.5381, 6.9419, 8.4020



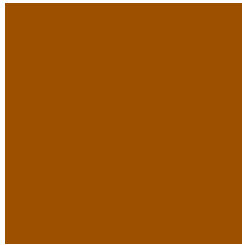
7.1060, 6.3035, 26.7494



0.1693, 0.1972, 0.4924

Previews

White Background



This preview shows how the XYZ color 16.5790, 12.8052, 1.5979 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 16.5790, 12.8052, 1.5979 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 16.5790, 12.8052, 1.5979

Background



This preview shows how black text looks on a background with the XYZ color 16.5790, 12.8052, 1.5979.



This preview shows how white text looks on a background with the XYZ color 16.5790, 12.8052,

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

16.5790, 12.8052, 1.5979

Protanopia

11.6658, 12.9138, 2.2585

Deuteranopia

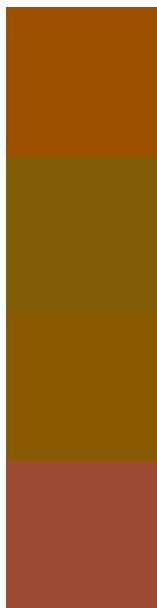
13.0850, 12.9549, 1.8109



Tritanopia

17.9973, 12.7458, 9.1010

Trichromacy



Original Color

16.5790, 12.8052, 1.5979

Protanomaly

13.0114, 12.5134, 1.9593

Deuteranomaly

14.1374, 12.7156, 1.7092

Tritanomaly

17.0866, 12.5760, 4.6588

Monochromacy



Original Color

16.5790, 12.8052, 1.5979

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.7241, 11.2529, 5.8291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5790, 12.8052, 1.5979 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(156, 80, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 80, 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(156, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 80, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.5790, 12.8052, 1.5979 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(156, 80, 0) }
```


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

```
.border{ border-color:rgb(156, 80, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 80, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 80, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5790, 12.8052, 1.5979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 80, 0) }
```

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

```
.background{ background-color: rgb(156, 80,  
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](#).

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