

Converting Colors

XYZ(17.7169, 13.0056, 1.5917)

Have a look what the booklet for
XYZ(17.7169, 13.0056, 1.5917)
contains.

XYZ(17.6942, 12.9576, 1.5972)	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(17.6942, 12.9576,
1.5972)**

Conversions

Conversions Part 1

Format	Color
Hex	A34C01
RGB	163, 76, 1
RGB Percent	64%, 30%, 0%
CMY	0.3608, 0.7019, 0.9961
CMYK	0.00, 0.53, 0.99, 0.36
HSL	28°, 99%, 32%
HSV	28°, 99%, 64%
XYZ	17.6942, 12.9576, 1.5972
YIQ	93.4630, 75.9270, -4.8810

Conversions

Conversions Part 2

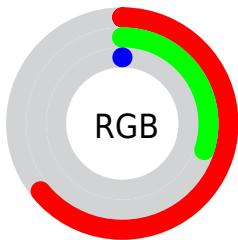
Format	Color
RYB	163, 141, 1
Decimal	10701825
CIELab	42.70, 32.48, 52.25
CIElCh	43, 61.521, 58.130
Yxy	12.9576, 0.5487, 0.4018
Android (android.graphics.Color)	4288891905 (0xFFA34C01)
YUV	93.4630, -45.5843, 60.9839
Hunter-Lab	35.9967, 24.7477, 22.5669

Details

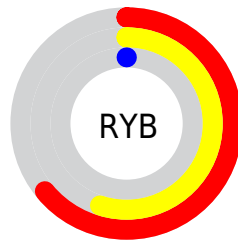
The XYZ color **17.6942, 12.9576, 1.5972** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.1129, 9.6298, 35.9759**, and the grayscale version is **10.6046, 11.1568, 12.1498**.

A 20% lighter version of the original color is **39.0936, 31.3315, 7.9901**, and **6.1242, 3.7736, 0.4056** is the 20% darker color. If you saturate the color by 10%, you get **17.6520, 12.8822, 1.5561**, and if you desaturate by 10%, it is **18.4373, 14.2870, 2.3288**.

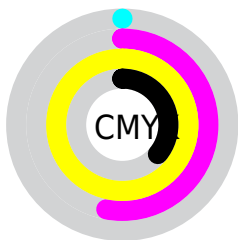
Distribution



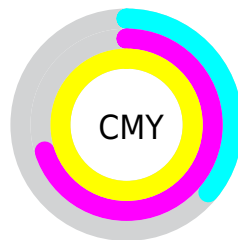
- Red (64%)
- Green (30%)
- Blue (0%)



- Red (64%)
- Yellow (55%)
- Blue (0%)



- Cyan (0%)
- Magenta (53%)
- Yellow (99%)
- Black (36%)





- Cyan (36%)
- Magenta (70%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.6942, 12.9576, 1.5972 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 17.6942, 12.9576, 1.5972 by changing the saturation by 10% instead.


 17.6942, 12.9576,
1.5972


 17.6942, 12.9576,
1.5972


 232.2208,
210.6458, 115.7704


 10.8290, 7.3994,
0.2888


 39.0497, 31.2276,
7.9071


 6.0184, 3.7131,
0.0000


 54.2708, 44.7081,
13.8911


 2.8971, 1.5144,
0.0000

 73.0079, 61.5982,
22.3192

 1.0996, 0.2988,
0.0000

 95.6263, 82.2822,
33.6100

 0.0247, 0.0000,
0.0000


 122.4915,
107.1446, 48.1820


 0.0000, 0.0000,
0.0000


 153.9687,


136.5697, 66.4537


 190.4233,
170.9420, 88.8436


 17.6942, 12.9576,
1.5972


 17.6942, 12.9576,
1.5972


 17.6520, 12.8822,
1.5561

 18.4373, 14.2870,
2.3288

 19.3467, 15.8186,
3.5172

 20.4553, 17.5709,
5.3201

 21.7800, 19.5552,
7.8123

 23.3355, 21.7815,
11.0578

■ 25.1348, 24.2593,
15.1129

■ 27.1899, 26.9973,
20.0287

■ 29.5121, 30.0037,
25.8521

■ 32.1116, 33.2864,
32.6264

Harmonies

Analogous

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



22.0588, 12.9576, 5.1224



17.6942, 12.9576, 1.5972



12.6112, 12.9576, 0.8481

Triad

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



17.6942, 12.9576, 1.5972



5.3421, 12.9576, 13.2858



17.0557, 12.9576, 51.1356

Complementary

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



17.6942, 12.9576, 1.5972



10.1129, 9.6298, 35.9759

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.



12.0250, 12.9576, 58.6118



17.6942, 12.9576, 1.5972



5.9706, 12.9576, 30.0483

Square

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



17.6942, 12.9576, 1.5972



6.1533, 12.9576, 4.4176



8.1553, 12.9576, 49.1805



21.6293, 12.9576, 32.5198

Rectangle

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



17.6942, 12.9576, 1.5972



9.7264, 12.9576, 1.0625



8.1553, 12.9576, 49.1805



15.3283, 12.9576, 55.4063

Sweetspot

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



17.6945, 12.9583, 1.5974



48.2396, 47.7510, 34.7557



16.9648, 8.5482, 10.4513



10.4949, 10.2748, 6.9864



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.



17.6945, 12.9583, 1.5974



31.4174, 22.6788, 2.7216



26.8143, 31.1980, 4.6374



7.3314, 7.6012, 7.4609



13.7636, 10.1011, 1.2243



0.3364, 0.3066, 0.0414

Inverse Universe

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



10.1129, 9.6298, 35.9759



17.8185, 16.6936, 64.3392



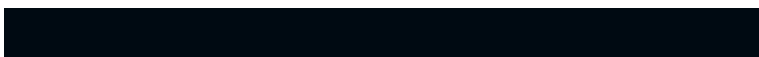
6.7222, 2.8484, 34.8456



7.0007, 7.4604, 8.9741



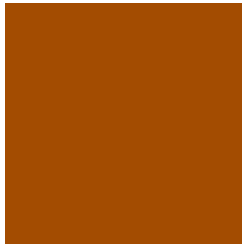
7.8662, 7.5117, 27.9651



0.2120, 0.2513, 0.6032

Previews

White Background



This preview shows how the XYZ color 17.6942, 12.9576, 1.5972 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 17.6942, 12.9576, 1.5972 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 17.6942, 12.9576, 1.5972

Background



This preview shows how black text looks on a background with the XYZ color 17.6942, 12.9576, 1.5972.



This preview shows how white text looks on a background with the XYZ color 17.6942, 12.9576,

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

17.6942, 12.9576, 1.5972

Protanopia

11.9078, 13.1821, 2.3687

Deuteranopia

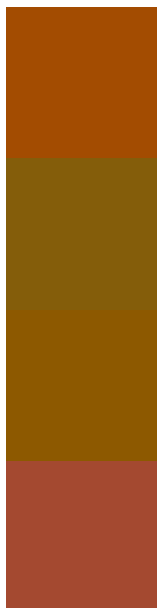
13.0850, 12.9549, 1.8109



Tritanopia

19.0403, 13.0138, 8.1650

Trichromacy



Original Color

17.6942, 12.9576, 1.5972

Protanomaly

13.4849, 12.7561, 2.0386

Deuteranomaly

14.5569, 12.8075, 1.7049

Tritanomaly

18.2259, 12.8710, 4.3200

Monochromacy



Original Color

17.6942, 12.9576, 1.5972

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.6950, 10.9942, 5.7807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6942, 12.9576, 1.5972 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(163, 76, 1)` looks like.

```
.text, #text, p{  
    color:rgb(163, 76, 1)  
}
```

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(163, 76, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 76, 1) }
```

Border

The CSS property to change the border of an element to XYZ 17.6942, 12.9576, 1.5972 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(163, 76, 1) }
```


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

```
.border{ border-color:rgb(163, 76, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 76, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 76, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 76, 1);  
box-shadow:4px 4px 4px 4px rgb(163, 76, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.6942, 12.9576, 1.5972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 76, 1) }
```

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

```
.background{ background-color: rgb(163, 76,  
1) }
```

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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