

Converting Colors

XYZ(17.5091, 12.3765, 6.6269)

Have a look what the booklet for
XYZ(17.5091, 12.3765, 6.6269)
contains.

XYZ(17.4013, 12.2972, 6.6107)	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(17.4013, 12.2972,
6.6107)**

Conversions

Conversions Part 1

Format	Color
Hex	9E4842
RGB	158, 72, 66
RGB Percent	62%, 28%, 26%
CMY	0.3804, 0.7176, 0.7412
CMYK	0.00, 0.54, 0.58, 0.38
HSL	4°, 41%, 44%
HSV	4°, 58%, 62%
XYZ	17.4013, 12.2972, 6.6107
YIQ	97.0300, 53.1820, 16.3660

Conversions

Conversions Part 2

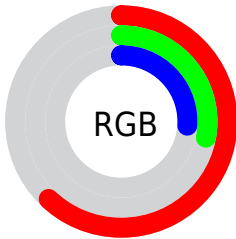
Format	Color
RYB	158, 72, 66
Decimal	10373186
CIELab	41.68, 35.27, 20.85
CIElCh	42, 40.973, 30.588
Yxy	12.2972, 0.4793, 0.3387
Android (android.graphics.Color)	4288563266 (0xFF9E4842)
YUV	97.0300, -15.2978, 53.4707
Hunter-Lab	35.0674, 27.2083, 13.3701

Details

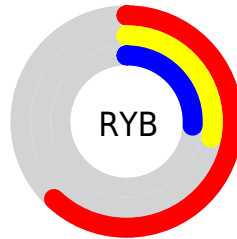
The XYZ color **17.4013, 12.2972, 6.6107** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.6457, 26.0817, 36.3465**, and the grayscale version is **11.3973, 11.9909, 13.0581**.

A 20% lighter version of the original color is **38.4391, 29.9798, 19.6803**, and **5.9211, 3.4605, 1.1665** is the 20% darker color. If you saturate the color by 10%, you get **16.1554, 10.4508, 4.2061**, and if you desaturate by 10%, it is **19.0058, 14.6551, 9.7699**.

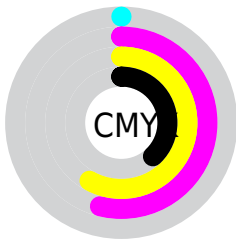
Distribution



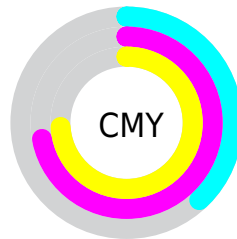
- Red (62%)
- Green (28%)
- Blue (26%)



- Red (62%)
- Yellow (28%)
- Blue (26%)



- Cyan (0%)
- Magenta (54%)
- Yellow (58%)
- Black (38%)





- Cyan (38%)
- Magenta (72%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.4013, 12.2972, 6.6107 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 17.4013, 12.2972, 6.6107 by changing the saturation by 10% instead.


 17.4013, 12.2972,
6.6107


 17.4013, 12.2972,
6.6107


230.5859,
206.3630, 173.8949


 10.6181, 6.9464,
3.1451


 38.5526, 30.0352,
19.6850


 5.8760, 3.4286,
1.1692

 53.6514, 43.1913,
30.1308


 2.8098, 1.3594,
0.0000

 72.2528, 59.7179,
43.7404

 1.0540, 0.1865,
0.0000

 94.7221, 79.9995,
60.9324

 0.0000, 0.0000,
0.0000

 121.4247,
104.4204, 82.1253

 152.7260,

133.3650, 107.7377

188.9913,
167.2177, 138.1880

■ 17.4013, 12.2972,
6.6107

■ 17.4013, 12.2972,
6.6107

■ 16.1554, 10.4508,
4.2061

■ 19.0058, 14.6551,
9.7699

■ 15.2397, 9.0762,
2.4925

■ 20.9928, 17.5565,
13.7389

■ 14.6228, 8.1311,
1.3971

■ 23.3851, 21.0331,
18.5685

■ 14.2589, 7.5613,
0.7884

■ 26.2034, 25.1136,
24.3052

■ 14.2124, 7.4929,
0.6972

■ 29.4670, 29.8247,
30.9919

■ 33.1941, 35.1916,
38.6692

■ 37.4018, 41.2380,
47.3749

■ 42.1064, 47.9867,
57.1452

■ 47.3234, 55.4592,
68.0143

Harmonies

Analogous

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



18.4704, 12.2972, 13.2205



17.4013, 12.2972, 6.6107



14.7616, 12.2972, 3.5286

Triad

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



17.4013, 12.2972, 6.6107



7.3426, 12.2972, 6.7961



11.7475, 12.2972, 37.6899

Complementary

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



17.4013, 12.2972, 6.6107



19.6457, 26.0817, 36.3465

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.



9.0739, 12.2972, 33.5972



17.4013, 12.2972, 6.6107



6.8100, 12.2972, 13.5601

Square

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



17.4013, 12.2972, 6.6107



8.9875, 12.2972, 3.5988



7.3862, 12.2972, 23.6990



14.8819, 12.2972, 33.2847

Rectangle

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



17.4013, 12.2972, 6.6107



12.6588, 12.2972, 2.8002



7.3862, 12.2972, 23.6990



10.7684, 12.2972, 37.2493

Sweetspot

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



17.4016, 12.2979, 6.6109



48.0826, 46.3249, 45.1540



21.8316, 13.4787, 31.7614



10.6080, 10.1083, 9.7058



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



17.4016, 12.2979, 6.6109



28.7540, 18.1059, 6.5317



21.3987, 20.2920, 7.9433



6.6661, 6.7122, 6.9299



11.3943, 6.0241, 0.5622



0.2128, 0.1258, 0.0131

Inverse Universe

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



19.6457, 26.0817, 36.3465



33.1838, 45.4898, 65.7749



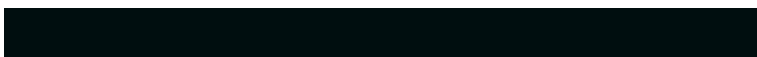
13.7179, 14.2259, 34.3705



6.7848, 7.4353, 8.4842



13.3961, 18.8837, 28.8461



0.2495, 0.3576, 0.5191

Previews

White Background



This preview shows how the XYZ color 17.4013, 12.2972, 6.6107 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 17.4013, 12.2972, 6.6107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

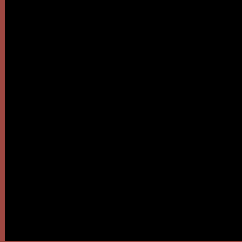
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.4013, 12.2972, 6.6107

Background



This preview shows how black text looks on a background with the XYZ color 17.4013, 12.2972, 6.6107.



This preview shows how white text looks on a background with the XYZ color 17.4013, 12.2972,

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

17.4013, 12.2972, 6.6107

Protanopia

11.6271, 12.4628, 8.8139

Deuteranopia

12.7074, 12.5253, 6.3053



Tritanopia

17.8213, 12.3854, 8.1079

Trichromacy



Original Color

17.4013, 12.2972, 6.6107

Protanomaly

13.0872, 11.9109, 7.9126

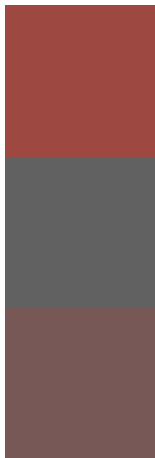
Deuteranomaly

14.1369, 12.2436, 6.3208

Tritanomaly

17.7210, 12.3453, 7.5798

Monochromacy



Original Color

17.4013, 12.2972, 6.6107

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.7772, 11.5733, 10.3645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4013, 12.2972, 6.6107 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(158, 72, 66)` looks like.

```
.text, #text, p{  
    color:rgb(158, 72, 66)  
}
```

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(158, 72, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 72, 66) }
```

Border

The CSS property to change the border of an element to XYZ 17.4013, 12.2972, 6.6107 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(158, 72, 66) }
```


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

```
.border{ border-color:rgb(158, 72, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 72, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 72, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 72, 66);  
box-shadow:4px 4px 4px 4px rgb(158, 72,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4013, 12.2972, 6.6107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 72, 66) }
```

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

```
.background{ background-color: rgb(158, 72,  
66) }
```

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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