

Converting Colors

XYZ(17.9122, 12.8392, 4.6414)

Have a look what the booklet for
XYZ(17.9122, 12.8392, 4.6414)
contains.

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Color

**XYZ(17.9466, 12.8180,
4.6602)**

Conversions

Conversions Part 1

Format	Color
Hex	A24A33
RGB	162, 74, 51
RGB Percent	64%, 29%, 20%
CMY	0.3647, 0.7098, 0.8000
CMYK	0.00, 0.54, 0.69, 0.36
HSL	12°, 52%, 42%
HSV	12°, 69%, 64%
XYZ	17.9466, 12.8180, 4.6602
YIQ	97.6900, 59.8310, 11.5030

Conversions

Conversions Part 2

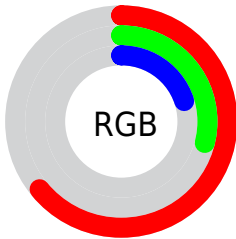
Format	Color
R_{YB}	162, 80, 51
Decimal	10635827
CIE Lab	42.49, 34.75, 30.88
CIE LCh	42, 46.486, 41.631
Yxy	12.8180, 0.5066, 0.3618
Android (android.graphics.Color)	4288825907 (0xFFA24A33)
YUV	97.6900, -23.0182, 56.3999
Hunter-Lab	35.8022, 26.8229, 17.3441

Details

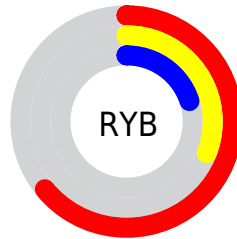
The XYZ color **17.9466, 12.8180, 4.6602** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.1186, 21.7760, 37.4830**, and the grayscale version is **11.5778, 12.1808, 13.2649**.

A 20% lighter version of the original color is **39.3570, 30.9212, 15.4493**, and **6.1852, 3.6697, 0.5546** is the 20% darker color. If you saturate the color by 10%, you get **16.8781, 11.1565, 2.8385**, and if you desaturate by 10%, it is **19.3152, 14.8808, 7.1961**.

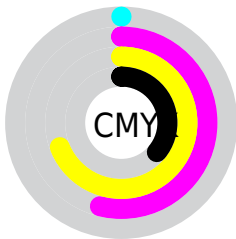
Distribution



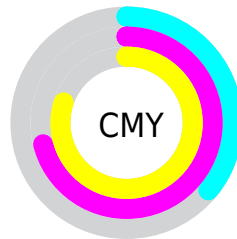
- Red (64%)
- Green (29%)
- Blue (20%)



- Red (64%)
- Yellow (31%)
- Blue (20%)



- Cyan (0%)
- Magenta (54%)
- Yellow (69%)
- Black (36%)





- Cyan (36%)
- Magenta (71%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.9466, 12.8180, 4.6602 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 17.9466, 12.8180, 4.6602 by changing the saturation by 10% instead.


 17.9466, 12.8180,
4.6602


 17.9466, 12.8180,
4.6602


233.6213,
209.7479, 155.3029


 11.0111, 7.3033,
1.9941


 39.4771, 30.9764,
15.5058


 6.1417, 3.6525,
0.5516

 54.8028, 44.3890,
24.5224


 2.9729, 1.4812,
0.0000

 73.6560, 61.2030,
36.4929

 1.1394, 0.2754,
0.0000

 96.4020, 81.8027,
51.8359

 0.0577, 0.0000,
0.0000

 123.4062,
106.5727, 70.9698

 0.0000, 0.0000,
0.0000

 155.0339,

135.8973, 94.3132

191.6505,
170.1609, 122.2848

■ 17.9466, 12.8180,
4.6602

■ 17.9466, 12.8180,
4.6602

■ 16.8781, 11.1565,
2.8385

■ 19.3152, 14.8808,
7.1961

■ 16.0845, 9.8673,
1.6552

■ 21.0046, 17.3672,
10.5101

■ 15.5285, 8.9170,
0.9717

■ 23.0343, 20.3001,
14.6598

■ 15.4601, 8.8012,
0.8840

■ 25.4222, 23.7001,
19.6969

■ 28.1848, 27.5868,
25.6693

■ 31.3377, 31.9784,
32.6210

■ 34.8953, 36.8923,
40.5936

■ 38.8715, 42.3448,
49.6260

■ 43.2796, 48.3519,
59.7552

Harmonies

Analogous

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



20.0481, 12.8180, 10.4159



17.9466, 12.8180, 4.6602



14.4328, 12.8180, 2.4841

Triad

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



17.9466, 12.8180, 4.6602



6.8411, 12.8180, 8.7149



13.5929, 12.8180, 42.6820

Complementary

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



17.9466, 12.8180, 4.6602



17.1186, 21.7760, 37.4830

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.



10.1803, 12.8180, 41.4568



17.9466, 12.8180, 4.6602



6.7025, 12.8180, 18.2206

Square

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



17.9466, 12.8180, 4.6602



8.2320, 12.8180, 3.9299



7.8082, 12.8180, 31.1065



17.2311, 12.8180, 33.9248

Rectangle

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



17.9466, 12.8180, 4.6602



11.9923, 12.8180, 2.1880



7.8082, 12.8180, 31.1065



12.3759, 12.8180, 43.5058

Sweetspot

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



17.9469, 12.8187, 4.6604



49.6514, 47.9564, 43.2975



20.8029, 11.9366, 25.9411



10.8532, 10.3515, 9.0785



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.



17.9469, 12.8187, 4.6604



29.8553, 18.9922, 3.9342



23.3085, 23.5419, 6.4476



7.1872, 7.3128, 7.4128



12.2063, 6.9865, 0.7052



0.2868, 0.2075, 0.0249

Inverse Universe

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



17.1186, 21.7760, 37.4830



28.1051, 36.0751, 67.5380



11.0805, 9.6998, 35.4704



7.1509, 7.7608, 9.0242



11.2943, 14.3681, 29.1078



0.2670, 0.3613, 0.6215

Previews

White Background



This preview shows how the XYZ color 17.9466, 12.8180, 4.6602 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 17.9466, 12.8180, 4.6602 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 17.9466, 12.8180, 4.6602

Background



This preview shows how black text looks on a background with the XYZ color 17.9466, 12.8180, 4.6602.



This preview shows how white text looks on a background with the XYZ color 17.9466, 12.8180,

4.6602.

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

17.9466, 12.8180, 4.6602

Protanopia

11.8997, 12.9486, 6.1471

Deuteranopia

13.1335, 12.9230, 4.3869



Tritanopia

18.6620, 12.8148, 8.3274

Trichromacy



Original Color

17.9466, 12.8180, 4.6602

Protanomaly

13.5329, 12.4447, 5.5597

Deuteranomaly

14.5045, 12.5961, 4.4631

Tritanomaly

18.4347, 12.8265, 6.8143

Monochromacy



Original Color

17.9466, 12.8180, 4.6602

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.9427, 11.8038, 9.3808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9466, 12.8180, 4.6602 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(162, 74, 51)` looks like.

```
.text, #text, p{  
    color:rgb(162, 74, 51)  
}
```

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(162, 74, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 74, 51) }
```

Border

The CSS property to change the border of an element to XYZ 17.9466, 12.8180, 4.6602 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(162, 74, 51) }
```


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

```
.border{ border-color:rgb(162, 74, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 74, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 74, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 74, 51);  
box-shadow:4px 4px 4px 4px rgb(162, 74,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9466, 12.8180, 4.6602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 74, 51) }
```

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

```
.background{ background-color: rgb(162, 74,  
51) }
```

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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