

Converting Colors

XYZ(17.8879, 10.5658, 2.5750)

Have a look what the booklet for
XYZ(17.8879, 10.5658, 2.5750)
contains.

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Color

**XYZ(17.8047, 10.5383,
2.6091)**

Conversions

Conversions Part 1

Format	Color
Hex	AA2D22
RGB	170, 45, 34
RGB Percent	67%, 18%, 13%
CMY	0.3333, 0.8235, 0.8667
CMYK	0.00, 0.74, 0.80, 0.33
HSL	5°, 67%, 40%
HSV	5°, 80%, 67%
XYZ	17.8047, 10.5383, 2.6091
YIQ	81.1210, 78.0310, 23.0790

Conversions

Conversions Part 2

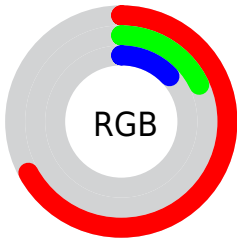
Format	Color
RYB	170, 46, 34
Decimal	11152674
CIELab	38.79, 49.92, 36.81
CIElCh	39, 62.022, 36.404
Yxy	10.5383, 0.5752, 0.3405
Android (android.graphics.Color)	4289342754 (0xFFAA2D22)
YUV	81.1210, -23.2307, 77.9469
Hunter-Lab	32.4627, 41.0913, 17.9587

Details

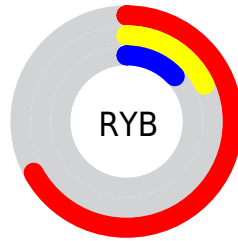
The XYZ color **17.8047, 10.5383, 2.6091** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **20.3122, 28.0359, 42.3709**, and the grayscale version is **7.8794, 8.2897, 9.0275**.

A 20% lighter version of the original color is **39.2839, 26.8493, 10.7014**, and **6.4304, 3.3150, 0.3009** is the 20% darker color. If you saturate the color by 10%, you get **17.1275, 9.4842, 1.4583**, and if you desaturate by 10%, it is **18.8242, 12.0834, 4.4723**.

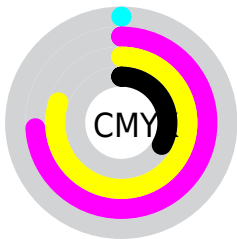
Distribution



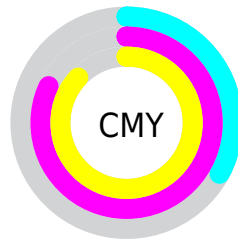
- Red (67%)
- Green (18%)
- Blue (13%)



- Red (67%)
- Yellow (18%)
- Blue (13%)



- Cyan (0%)
- Magenta (74%)
- Yellow (80%)
- Black (33%)





- Cyan (33%)
- Magenta (82%)
- Yellow (87%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8047, 10.5383, 2.6091 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 17.8047, 10.5383, 2.6091 by changing the saturation by 10% instead.


 17.8047, 10.5383,
2.6091


 17.8047, 10.5383,
2.6091


232.8349,
194.4720, 131.2147


 10.9087, 5.7573,
0.8971


 39.2370, 26.8032,
10.6476

 6.0723, 2.6981,
0.0000


 54.5039, 39.0559,
17.8128


 2.9302, 0.9762,
0.0000

 73.2919, 54.5679,
27.6333

 1.1169, 0.0000,
0.0000

 95.9663, 73.7236,
40.5276

 0.0392, 0.0000,
0.0000

 122.8924, 96.9075,
56.9144

 0.0000, 0.0000,
0.0000

 154.4357,

124.5040, 77.2122

190.9614,
156.8973, 101.8394

17.8047, 10.5383,
2.6091

17.8047, 10.5383,
2.6091

17.1275, 9.4842,
1.4583

18.8242, 12.0834,
4.4723

16.7313, 8.8537,
0.8271

20.2230, 14.1677,
7.1378

16.7313, 8.8536,
0.8271

22.0340, 16.8355,
10.6828

24.2863, 20.1263,
15.1754

27.0062, 24.0758,
20.6768

■ 30.2183, 28.7173,
27.2432

■ 33.9452, 34.0817,
34.9267

■ 38.2081, 40.1980,
43.7759

■ 43.0271, 47.0938,
53.8364

Harmonies

Analogous

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



20.0830, 10.5383, 9.1337



17.8047, 10.5383, 2.6091



13.5188, 10.5383, 0.7023

Triad

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



17.8047, 10.5383, 2.6091



4.3855, 10.5383, 4.5971



10.9226, 10.5383, 51.7735

Complementary

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



17.8047, 10.5383, 2.6091



20.3122, 28.0359, 42.3709

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.



7.1780, 10.5383, 47.1443



17.8047, 10.5383, 2.6091



4.0428, 10.5383, 14.1844

Square

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



17.8047, 10.5383, 2.6091



6.0250, 10.5383, 1.2034



4.9129, 10.5383, 30.7919



15.4675, 10.5383, 40.9688

Rectangle

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



17.8047, 10.5383, 2.6091



10.5195, 10.5383, 0.3483



4.9129, 10.5383, 30.7919



9.5295, 10.5383, 52.0375

Sweetspot

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



17.8049, 10.5389, 2.6093



52.1301, 48.2104, 43.9005



23.5766, 12.2610, 34.8112



11.1827, 10.1113, 8.8864



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.8049, 10.5389, 2.6093



30.4988, 16.2691, 1.7876



22.5580, 20.0450, 4.1936



7.5781, 7.6363, 7.8638



12.3258, 6.5488, 0.6144



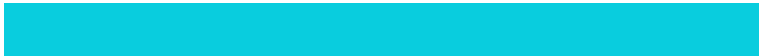
0.3146, 0.1888, 0.0199

Inverse Universe

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



20.3122, 28.0359, 42.3709



35.0144, 48.8005, 76.5759



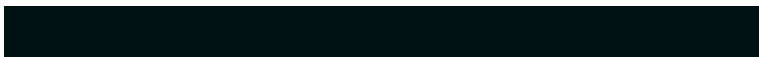
11.8239, 11.0595, 39.5415



7.6949, 8.4266, 9.6393



14.1316, 19.7234, 31.0377



0.3585, 0.5092, 0.7600

Previews

White Background



This preview shows how the XYZ color 17.8047, 10.5383, 2.6091 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 17.8047, 10.5383, 2.6091 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 17.8047, 10.5383, 2.6091

Background



This preview shows how black text looks on a background with the XYZ color 17.8047, 10.5383, 2.6091.



This preview shows how white text looks on a background with the XYZ color 17.8047, 10.5383,

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

17.8047, 10.5383, 2.6091

Protanopia

9.9069, 10.8587, 4.2631

Deuteranopia

10.8468, 10.7543, 2.3147



Tritanopia

17.9519, 10.5369, 3.5703

Trichromacy



Original Color

17.8047, 10.5383, 2.6091

Protanomaly

11.7548, 9.8481, 3.4718

Deuteranomaly

12.6685, 9.9481, 2.2894

Tritanomaly

17.8785, 10.5075, 3.1837

Monochromacy



Original Color

17.8047, 10.5383, 2.6091

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.8026, 8.0151, 5.8809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8047, 10.5383, 2.6091 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(170, 45, 34)` looks like.

```
.text, #text, p{  
    color:rgb(170, 45, 34)  
}
```

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(170, 45, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 45, 34) }
```

Border

The CSS property to change the border of an element to XYZ 17.8047, 10.5383, 2.6091 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(170, 45, 34) }
```


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

```
.border{ border-color:rgb(170, 45, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 45, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 45, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 45, 34);  
box-shadow:4px 4px 4px 4px rgb(170, 45,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8047, 10.5383, 2.6091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 45, 34) }
```

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

```
.background{ background-color: rgb(170, 45,  
34) }
```

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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