

Converting Colors

XYZ(18.0210, 17.9068, 5.0884)

Have a look what the booklet for
XYZ(18.0210, 17.9068, 5.0884)
contains.

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Color

**XYZ(17.9644, 17.8053,
5.0747)**

Conversions

Conversions Part 1

Format	Color
Hex	91702E
RGB	145, 112, 46
RGB Percent	57%, 44%, 18%
CMY	0.4314, 0.5608, 0.8196
CMYK	0.00, 0.23, 0.68, 0.43
HSL	40°, 52%, 37%
HSV	40°, 68%, 57%
XYZ	17.9644, 17.8053, 5.0747
YIQ	114.3430, 40.8540, -13.5300

Conversions

Conversions Part 2

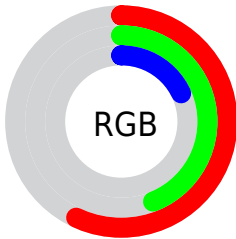
Format	Color
RYB	96, 145, 46
Decimal	9531438
CIELab	49.26, 5.65, 40.54
CIELCh	49, 40.933, 82.062
Yxy	17.8053, 0.4398, 0.4359
Android (android.graphics.Color)	4287721518 (0xFF91702E)
YUV	114.3430, -33.6931, 26.8862
Hunter-Lab	42.1963, 2.1499, 22.4070

Details

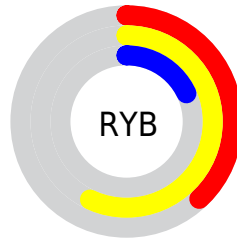
The XYZ color **17.9644, 17.8053, 5.0747** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.0335, 8.2169, 27.8980**, and the grayscale version is **16.1873, 17.0303, 18.5460**.

A 20% lighter version of the original color is **39.6981, 39.9337, 16.4421**, and **6.2047, 6.0047, 0.8320** is the 20% darker color. If you saturate the color by 10%, you get **17.2066, 16.6724, 3.6425**, and if you desaturate by 10%, it is **18.8483, 19.0358, 7.0257**.

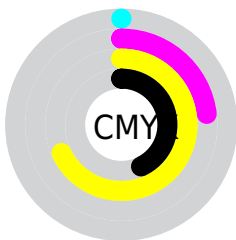
Distribution



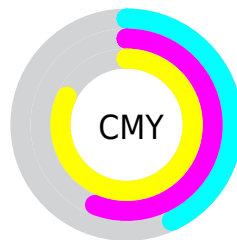
- Red (57%)
- Green (44%)
- Blue (18%)



- Red (38%)
- Yellow (57%)
- Blue (18%)



- Cyan (0%)
- Magenta (23%)
- Yellow (68%)
- Black (43%)



- Cyan (43%)
- Magenta (56%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9644, 17.8053, 5.0747 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 17.9644, 17.8053, 5.0747 by changing the saturation by 10% instead.

■ 17.9644, 17.8053,
5.0747

■ 17.9644, 17.8053,
5.0747

233.7198,
239.7713, 159.5115

■ 11.0240, 10.8103,
2.2317

■ 39.5072, 39.7053,
16.4210

■ 6.1504, 5.9394,
0.6925

■ 54.8403, 55.3790,
25.7613

■ 2.9783, 2.8083,
0.0000

■ 73.7017, 74.7145,
38.1044

■ 1.1423, 1.0325,
0.0000

■ 96.4566, 98.0961,
53.8689

■ 0.0600, 0.0000,
0.0000

■ 123.4706,
125.9082, 73.4733

■ 0.0000, 0.0000,
0.0000

■ 155.1088,

158.5351, 97.3362

191.7368,
196.3614, 125.8761

■ 17.9644, 17.8053,
5.0747

■ 17.9644, 17.8053,
5.0747

■ 17.2066, 16.6724,
3.6425

■ 18.8483, 19.0358,
7.0257

■ 16.5629, 15.6295,
2.6742

■ 19.8661, 20.3658,
9.5409

■ 16.0123, 14.6682,
2.0592

■ 21.0266, 21.8000,
12.6617

■ 15.9214, 14.5085,
1.9613

■ 22.3372, 23.3421,
16.4254

■ 23.8048, 24.9954,
20.8663

■ 25.4359, 26.7633,
26.0162

■ 27.2363, 28.6487,
31.9049

■ 29.2119, 30.6546,
38.5606

■ 31.3680, 32.7836,
46.0097

Harmonies

Analogous

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



21.8842, 17.8053, 7.0295



17.9644, 17.8053, 5.0747



14.2973, 17.8053, 5.6459

Triad

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



17.9644, 17.8053, 5.0747



10.9582, 17.8053, 28.4697



23.4445, 17.8053, 35.5223

Complementary

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



17.9644, 17.8053, 5.0747



9.0335, 8.2169, 27.8980

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.



19.8528, 17.8053, 46.3513



17.9644, 17.8053, 5.0747



12.7754, 17.8053, 41.3203

Square

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



17.9644, 17.8053, 5.0747



10.6101, 17.8053, 16.6091



15.9234, 17.8053, 48.8008



25.3460, 17.8053, 22.4584

Rectangle

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



17.9644, 17.8053, 5.0747



12.4407, 17.8053, 7.5389



15.9234, 17.8053, 48.8008



22.3711, 17.8053, 39.7207

Sweetspot

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



17.9648, 17.8062, 5.0750



42.0437, 44.1118, 35.5596



14.0655, 8.5384, 8.3041



9.2044, 9.6468, 7.4576



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



17.9648, 17.8062, 5.0750



30.1639, 28.8232, 5.4844



19.5961, 25.0762, 6.3923



5.6902, 5.9866, 5.7450



13.6808, 12.4933, 1.6904



0.1511, 0.1601, 0.0229

Inverse Universe

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



9.0335, 8.2169, 27.8980



13.1025, 10.5828, 49.3257



8.1061, 5.0389, 27.3334



5.2673, 5.5304, 6.8186



5.3239, 3.6338, 23.3979



0.0696, 0.0721, 0.2299

Previews

White Background



This preview shows how the XYZ color 17.9644, 17.8053, 5.0747 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 17.9644, 17.8053, 5.0747 looks on a black 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

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

XYZ 17.9644, 17.8053, 5.0747

Background



This preview shows how black text looks on a background with the XYZ color 17.9644, 17.8053, 5.0747.



This preview shows how white text looks on a background with the XYZ color 17.9644, 17.8053,

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

17.9644, 17.8053, 5.0747

Protanopia

16.3720, 17.9956, 5.4069

Deuteranopia

18.1414, 17.8966, 5.0830



Tritanopia

20.6099, 17.7794, 17.9683

Trichromacy



Original Color

17.9644, 17.8053, 5.0747

Protanomaly

16.9118, 17.9303, 5.2589

Deuteranomaly

18.1414, 17.8966, 5.0830

Tritanomaly

19.3785, 17.7423, 11.8544

Monochromacy



Original Color

17.9644, 17.8053, 5.0747

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.1657, 16.8915, 11.8596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9644, 17.8053, 5.0747 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(145, 112, 46)` looks like.

```
.text, #text, p{  
    color:rgb(145, 112, 46)  
}
```

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(145, 112, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 112, 46) }
```

Border

The CSS property to change the border of an element to XYZ 17.9644, 17.8053, 5.0747 is called "border". The border property can be set on classes, ids or directly on the HTML element.

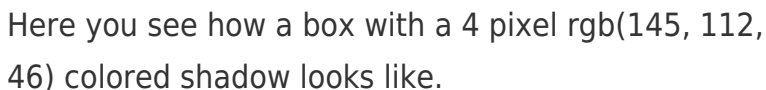
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 112, 46) }
```


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

```
.border{ border-color:rgb(145, 112, 46) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 112, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 112, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 112, 46);  
box-shadow:4px 4px 4px 4px rgb(145, 112,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9644, 17.8053, 5.0747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 112, 46) }
```

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

```
.background{ background-color: rgb(145,  
112, 46) }
```

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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