

Converting Colors

XYZ(17.9733, 13.5388, 4.5718)

Have a look what the booklet for
XYZ(17.9733, 13.5388, 4.5718)
contains.

XYZ(17.9940, 13.5802, 4.5786)	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(17.9940, 13.5802,
4.5786)**

Conversions

Conversions Part 1

Format	Color
Hex	A05131
RGB	160, 81, 49
RGB Percent	63%, 32%, 19%
CMY	0.3726, 0.6823, 0.8078
CMYK	0.00, 0.49, 0.69, 0.37
HSL	17°, 53%, 41%
HSV	17°, 69%, 63%
XYZ	17.9940, 13.5802, 4.5786
YIQ	100.9730, 57.3560, 6.7960

Conversions

Conversions Part 2

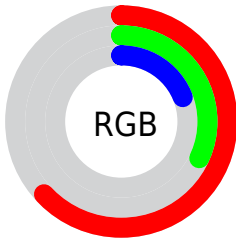
Format	Color
R _Y B	160, 94, 49
Decimal	10506545
CIE Lab	43.62, 30.10, 33.25
CIE LCh	44, 44.850, 47.852
Yxy	13.5802, 0.4977, 0.3756
Android (android.graphics.Color)	4288696625 (0xFFA05131)
YUV	100.9730, -25.6227, 51.7667
Hunter-Lab	36.8513, 22.6693, 18.4294

Details

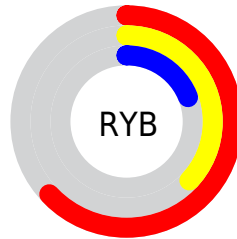
The XYZ color **17.9940, 13.5802, 4.5786** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.3304, 18.6282, 36.0450**, and the grayscale version is **12.4168, 13.0634, 14.2261**.

A 20% lighter version of the original color is **39.5760, 32.4071, 15.2356**, and **6.1538, 3.9779, 0.5296** is the 20% darker color. If you saturate the color by 10%, you get **16.9380, 11.9161, 2.8462**, and if you desaturate by 10%, it is **19.3124, 15.5776, 6.9901**.

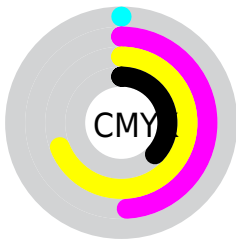
Distribution



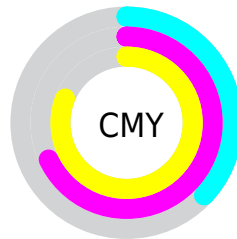
- Red (63%)
- Green (32%)
- Blue (19%)



- Red (63%)
- Yellow (37%)
- Blue (19%)



- Cyan (0%)
- Magenta (49%)
- Yellow (69%)
- Black (37%)



- Cyan (37%)
- Magenta (68%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9940, 13.5802, 4.5786 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 17.9940, 13.5802, 4.5786 by changing the saturation by 10% instead.

■ 17.9940, 13.5802,
4.5786

■ 17.9940, 13.5802,
4.5786

233.8835,
214.6034, 154.4544

■ 11.0453, 7.8293,
1.9478

■ 39.5573, 32.3423,
15.3236

■ 6.1649, 3.9859,
0.5229

■ 54.9026, 46.1222,
24.2749

■ 2.9872, 1.6657,
0.0000

■ 73.7775, 63.3473,
36.1702

■ 1.1470, 0.4013,
0.0000

■ 96.5474, 84.4019,
51.4279

■ 0.0639, 0.0000,
0.0000

■ 123.5775,
109.6704, 70.4667

■ 0.0000, 0.0000,
0.0000

■ 155.2334,

139.5372, 93.7050

191.8802,
174.3867, 121.5614

■ 17.9940, 13.5802,
4.5786

■ 17.9940, 13.5802,
4.5786

■ 16.9380, 11.9161,
2.8462

■ 19.3124, 15.5776,
6.9901

■ 16.1231, 10.5635,
1.7196

■ 20.9104, 17.9237,
10.1423

■ 15.5129, 9.4964,
1.0441

■ 22.8044, 20.6358,
14.0907

■ 15.4793, 9.4379,
1.0058

■ 25.0094, 23.7291,
18.8851

■ 27.5393, 27.2179,
24.5713

■ 30.4070, 31.1159,
31.1918

■ 33.6248, 35.4360,
38.7862

■ 37.2043, 40.1905,
47.3920

■ 41.1566, 45.3914,
57.0447

Harmonies

Analogous

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



20.4674, 13.5802, 9.6117



17.9940, 13.5802, 4.5786



14.3825, 13.5802, 2.7889

Triad

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



17.9940, 13.5802, 4.5786



7.3642, 13.5802, 11.0764



15.0920, 13.5802, 41.9169

Complementary

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



17.9940, 13.5802, 4.5786



15.3304, 18.6282, 36.0450

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.



11.5371, 13.5802, 42.9234



17.9940, 13.5802, 4.5786



7.4846, 13.5802, 21.5485

Square

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



17.9940, 13.5802, 4.5786



8.5177, 13.5802, 5.2307



8.8832, 13.5802, 34.2772



18.5940, 13.5802, 31.9466

Rectangle

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



17.9940, 13.5802, 4.5786



12.0062, 13.5802, 2.7069



8.8832, 13.5802, 34.2772



13.8530, 13.5802, 43.4380

Sweetspot

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



17.9943, 13.5809, 4.5788



49.0221, 48.0745, 42.3831



19.5280, 11.2433, 21.7533



10.4867, 10.1795, 8.6976



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.



17.9943, 13.5809, 4.5788



29.9293, 20.2844, 3.9709



23.8486, 25.2895, 6.5303



6.7811, 6.9422, 6.9682



12.0920, 7.4197, 0.7948



0.2498, 0.1999, 0.0254

Inverse Universe

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



15.3304, 18.6282, 36.0450



24.6412, 29.7921, 64.8383



9.9977, 7.9628, 34.2675



6.6602, 7.1861, 8.4427



9.6575, 11.4066, 27.5999



0.2068, 0.2721, 0.5049

Previews

White Background



This preview shows how the XYZ color 17.9940, 13.5802, 4.5786 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 17.9940, 13.5802, 4.5786 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 17.9940, 13.5802, 4.5786

Background



This preview shows how black text looks on a background with the XYZ color 17.9940, 13.5802, 4.5786.



This preview shows how white text looks on a background with the XYZ color 17.9940, 13.5802,

4.5786.

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

17.9940, 13.5802, 4.5786

Protanopia

12.6036, 13.7636, 5.7337

Deuteranopia

13.9888, 13.7803, 4.4052



Tritanopia

19.0772, 13.5983, 9.6019

Trichromacy



Original Color

17.9940, 13.5802, 4.5786

Protanomaly

14.1855, 13.4481, 5.2162

Deuteranomaly

15.1355, 13.4270, 4.3787

Tritanomaly

18.5278, 13.4680, 7.4174

Monochromacy



Original Color

17.9940, 13.5802, 4.5786

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.5517, 12.7522, 9.7298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9940, 13.5802, 4.5786 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(160, 81, 49)` looks like.

```
.text, #text, p{  
    color:rgb(160, 81, 49)  
}
```

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(160, 81, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 81, 49) }
```

Border

The CSS property to change the border of an element to XYZ 17.9940, 13.5802, 4.5786 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(160, 81, 49) }
```


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

```
.border{ border-color:rgb(160, 81, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 81, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 81, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 81, 49);  
box-shadow:4px 4px 4px 4px rgb(160, 81,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9940, 13.5802, 4.5786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 81, 49) }
```

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

```
.background{ background-color: rgb(160, 81,  
49) }
```

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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