

Converting Colors

XYZ(17.7309, 20.4785, 9.0041)

Have a look what the booklet for
XYZ(17.7309, 20.4785, 9.0041)
contains.

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Color

**XYZ(17.7586, 20.4825,
8.9788)**

Conversions

Conversions Part 1

Format	Color
Hex	808047
RGB	128, 128, 71
RGB Percent	50%, 50%, 28%
CMY	0.4980, 0.4980, 0.7216
CMYK	0.00, 0.00, 0.45, 0.50
HSL	60°, 29%, 39%
HSV	60°, 45%, 50%
XYZ	17.7586, 20.4825, 8.9788
YIQ	121.5020, 18.2970, -17.7270

Conversions

Conversions Part 2

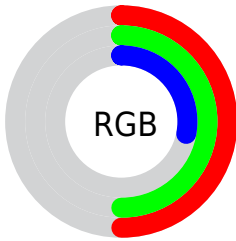
Format	Color
R_{YB}	71, 128, 71
Decimal	8421447
CIE _{Lab}	52.38, -8.89, 30.84
CIE _{LCh}	52, 32.097, 106.083
Yxy	20.4825, 0.3761, 0.4338
Android (android.graphics.Color)	4286611527 (0xFF808047)
YUV	121.5020, -24.8975, 5.6987
Hunter-Lab	45.2576, -9.1593, 19.9176

Details

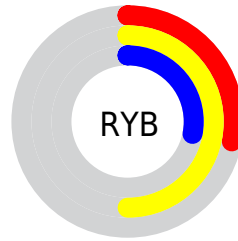
The XYZ color **17.7586, 20.4825, 8.9788** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **8.7488, 7.4051, 21.3916**, and the grayscale version is **18.4112, 19.3700, 21.0939**.

A 20% lighter version of the original color is **39.2665, 44.3733, 24.5845**, and **6.0320, 7.2399, 1.9992** is the 20% darker color. If you saturate the color by 10%, you get **17.3904, 20.3360, 7.0386**, and if you desaturate by 10%, it is **18.2143, 20.6655, 11.3758**.

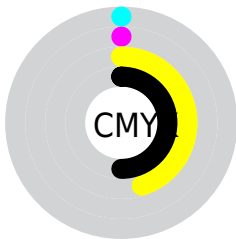
Distribution



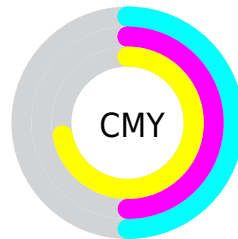
- Red (50%)
- Green (50%)
- Blue (28%)



- Red (28%)
- Yellow (50%)
- Blue (28%)



- Cyan (0%)
- Magenta (0%)
- Yellow (45%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7586, 20.4825, 8.9788 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 17.7586, 20.4825, 8.9788 by changing the saturation by 10% instead.

■ 17.7586, 20.4825,
8.9788

■ 17.7586, 20.4825,
8.9788

232.5788,
254.5153, 193.4319

■ 10.8755, 12.7463,
4.6307

■ 39.1589, 44.2247,
24.4332

■ 6.0498, 7.2541,
1.9774

■ 54.4067, 60.9994,
36.3766

■ 2.9163, 3.6215,
0.5413

■ 73.1735, 81.5557,
51.6888

■ 1.1097, 1.4642,
0.0000

■ 95.8245, 106.2780,
70.7885

■ 0.0332, 0.2633,
0.0000

■ 122.7253,
135.5508, 94.0941

■ 0.0000, 0.0000,
0.0000

154.2410,

169.7583, 122.0242

190.7370,
209.2850, 154.9973

■ 17.7586, 20.4825,
8.9788

■ 17.7586, 20.4825,
8.9788

■ 17.3904, 20.3360,
7.0386

■ 18.2143, 20.6655,
11.3758

■ 17.1029, 20.2209,
5.5249

■ 18.7611, 20.8843,
14.2546

■ 16.8903, 20.1359,
4.4061

■ 19.4042, 21.1415,
17.6400

■ 16.7457, 20.0780,
3.6454

■ 20.1477, 21.4389,
21.5547

■ 16.6594, 20.0435,
3.1917

■ 20.9958, 21.7782,
26.0200

■ 16.6210, 20.0281,
2.9898

■ 21.9523, 22.1608,
31.0561

■ 23.0208, 22.5882,
36.6822

■ 24.2048, 23.0618,
42.9164

■ 25.5076, 23.5830,
49.7763

Harmonies

Analogous

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



21.0382, 20.4825, 8.8820



17.7586, 20.4825, 8.9788



15.2364, 20.4825, 11.9032

Triad

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



17.7586, 20.4825, 8.9788



15.3812, 20.4825, 38.1651



26.3172, 20.4825, 26.9761

Complementary

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



17.7586, 20.4825, 8.9788



8.7488, 7.4051, 21.3916

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.



24.4185, 20.4825, 37.4726



17.7586, 20.4825, 8.9788



17.9780, 20.4825, 45.0668

Square

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



17.7586, 20.4825, 8.9788



13.9738, 20.4825, 27.7385



21.2837, 20.4825, 44.7825



26.2412, 20.4825, 17.6267

Rectangle

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



17.7586, 20.4825, 8.9788



14.2134, 20.4825, 15.7023



21.2837, 20.4825, 44.7825



25.8802, 20.4825, 30.5318

Sweetspot

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



17.7591, 20.4834, 8.9792



34.3136, 37.2813, 31.8543



12.2934, 9.5511, 7.1572



7.9788, 8.7066, 7.1685



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



17.7591, 20.4834, 8.9792



30.6348, 35.8097, 12.4867



14.0577, 18.5753, 8.8060



4.6653, 5.0194, 4.6431



16.4799, 19.8581, 2.9644



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.7488, 7.4051, 21.3916



12.7119, 9.7948, 37.1769



11.3506, 8.7464, 21.5133



4.1089, 4.2117, 5.4097



3.8635, 1.5454, 20.3446



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.7586, 20.4825, 8.9788 looks on a white background.

Color Contrast Check

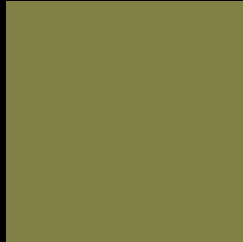
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 17.7586, 20.4825, 8.9788 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 17.7586, 20.4825, 8.9788

Background



This preview shows how black text looks on a background with the XYZ color 17.7586, 20.4825, 8.9788.



This preview shows how white text looks on a background with the XYZ color 17.7586, 20.4825,

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

17.7586, 20.4825, 8.9788

Protanopia

18.7556, 20.4278, 8.7488

Deuteranopia

20.7483, 20.3501, 9.1377



Tritanopia

20.9258, 20.4643, 24.3198

Trichromacy



Original Color

17.7586, 20.4825, 8.9788

Protanomaly

18.3979, 20.4322, 8.7685

Deuteranomaly

19.4569, 20.2266, 9.0095

Tritanomaly

19.4837, 20.4250, 17.3835

Monochromacy



Original Color

17.7586, 20.4825, 8.9788

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.9680, 19.6797, 15.6835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7586, 20.4825, 8.9788 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(128, 128, 71)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 71)  
}
```

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(128, 128, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 71) }
```

Border

The CSS property to change the border of an element to XYZ 17.7586, 20.4825, 8.9788 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(128, 128, 71) }
```


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

```
.border{ border-color:rgb(128, 128, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 71);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7586, 20.4825, 8.9788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 71) }
```

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

```
.background{ background-color: rgb(128,  
128, 71) }
```

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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