

Converting Colors

XYZ(17.9828, 24.8540, 20.6791)

Have a look what the booklet for
XYZ(17.9828, 24.8540, 20.6791)
contains.

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Color

**XYZ(17.9828, 24.8540,
20.6791)**

Conversions

Conversions Part 1

Format	Color
Hex	589575
RGB	88, 149, 117
RGB Percent	35%, 58%, 46%
CMY	0.6549, 0.4157, 0.5412
CMYK	0.41, 0.00, 0.21, 0.42
HSL	149°, 26%, 46%
HSV	149°, 41%, 58%
XYZ	17.9828, 24.8540, 20.6791
YIQ	127.1130, -26.0840, -22.8840

Conversions

Conversions Part 2

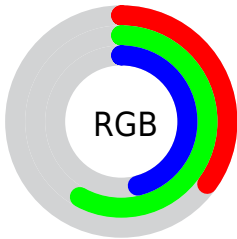
Format	Color
R_{YB}	88, 129, 149
Decimal	5805429
CIE _{Lab}	56.93, -27.33, 10.78
CIE _{LCh}	57, 29.377, 158.462
Yxy	24.8540, 0.2831, 0.3913
Android (android.graphics.Color)	4283995509 (0xFF589575)
YUV	127.1130, -4.9857, -34.3021
Hunter-Lab	49.8538, -22.8572, 10.3045

Details

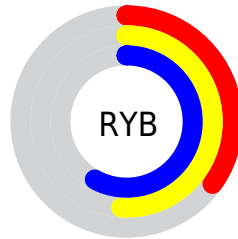
The XYZ color **17.9828, 24.8540, 20.6791** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.2751, 14.7256, 19.5965**, and the grayscale version is **20.2351, 21.2889, 23.1837**.

A 20% lighter version of the original color is **39.5019, 51.2392, 45.3443**, and **6.2048, 9.5584, 7.1481** is the 20% darker color. If you saturate the color by 10%, you get **16.2735, 24.0244, 18.2996**, and if you desaturate by 10%, it is **20.0202, 25.8496, 23.2754**.

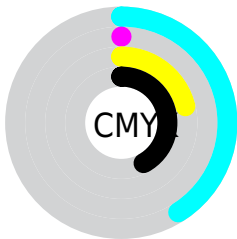
Distribution



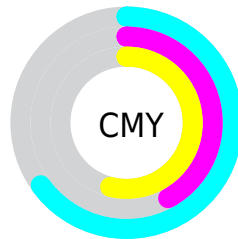
- Red (35%)
- Green (58%)
- Blue (46%)



- Red (35%)
- Yellow (51%)
- Blue (58%)



- Cyan (41%)
- Magenta (0%)
- Yellow (21%)
- Black (42%)



- Cyan (65%)
- Magenta (42%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9828, 24.8540, 20.6791 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 17.9828, 24.8540, 20.6791 by changing the saturation by 10% instead.

■ 17.9828, 24.8540,
20.6791

■ 17.9828, 24.8540,
20.6791

233.8215,
277.1101, 268.2929

■ 11.0373, 15.9683,
12.7007

■ 39.5383, 51.4203,
45.4267

■ 6.1594, 9.5017,
7.0945

■ 54.8790, 69.8696,
63.0329

■ 2.9838, 5.0699,
3.4419

■ 73.7488, 92.2757,
84.6856

■ 1.1452, 2.2883,
1.3245

■ 96.5130, 119.0228,
110.8031

■ 0.0624, 0.7675,
0.0817

123.5371,
150.4954, 141.8040

■ 0.0000, 0.0000,
0.0000

155.1863,

187.0779, 178.1070

191.8260,
229.1547, 220.1304

■ 17.9828, 24.8540,
20.6791

■ 17.9828, 24.8540,
20.6791

■ 16.2735, 24.0244,
18.2996

■ 20.0202, 25.8496,
23.2754

■ 14.8716, 23.3483,
16.1295

■ 22.4006, 27.0169,
26.0923

■ 13.7571, 22.8161,
14.1632


■ 25.1408, 28.3650,
29.1357


■ 12.9069, 22.4161,
12.3945


■ 28.2554, 29.9014,
32.4107

■ 12.2936, 22.1342,
10.8166


■ 31.7584, 31.6332,
35.9221

 11.8800, 21.9487,
9.5441

 35.6632, 33.5671,
39.6748

 39.9823, 35.7097,
43.6734

 44.7278, 38.0669,
47.9223

 49.9112, 40.6448,
52.4260

Harmonies

Analogous

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



19.7385, 24.8540, 14.7618



17.9828, 24.8540, 20.6791



17.6594, 24.8540, 29.9500

Triad

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



17.9828, 24.8540, 20.6791



24.6110, 24.8540, 50.4905



29.1972, 24.8540, 16.8959

Complementary

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



17.9828, 24.8540, 20.6791



19.2751, 14.7256, 19.5965

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.



30.7975, 24.8540, 24.3655



17.9828, 24.8540, 20.6791



27.9863, 24.8540, 44.7951

Square

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



17.9828, 24.8540, 20.6791



21.2742, 24.8540, 48.8154



30.3341, 24.8540, 34.6388



26.1385, 24.8540, 12.9757

Rectangle

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



17.9828, 24.8540, 20.6791



18.2661, 24.8540, 37.1446



30.3341, 24.8540, 34.6388



29.9364, 24.8540, 18.9918

Sweetspot

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



17.9835, 24.8550, 20.6797



44.3449, 50.4623, 51.4424



20.3296, 26.2319, 13.2245



9.6985, 11.1196, 11.2597



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.9835, 24.8550, 20.6797



29.4079, 43.1512, 33.1577



20.0366, 25.6763, 31.4913



5.8375, 6.5116, 6.7552



10.0131, 18.4780, 8.1104



0.1373, 0.2321, 0.1768

Inverse Universe

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



19.2751, 14.7256, 19.5965



32.0407, 22.4948, 30.9428



17.7317, 14.1082, 11.4691



5.9202, 5.8632, 6.6862



11.6091, 5.8487, 6.6886



0.1570, 0.0775, 0.1604

Previews

White Background



This preview shows how the XYZ color 17.9828, 24.8540, 20.6791 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 17.9828, 24.8540, 20.6791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

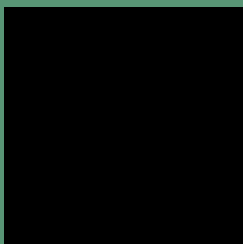
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.9828, 24.8540, 20.6791

Background



This preview shows how black text looks on a background with the XYZ color 17.9828, 24.8540, 20.6791.



This preview shows how white text looks on a background with the XYZ color 17.9828, 24.8540,

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

17.9828, 24.8540, 20.6791

Protanopia

23.1750, 24.6853, 18.5822

Deuteranopia

25.0851, 24.5816, 21.5118



Tritanopia

20.8194, 24.8545, 34.7104

Trichromacy



Original Color

17.9828, 24.8540, 20.6791

Protanomaly

20.8177, 24.5271, 19.2598

Deuteranomaly

21.8387, 24.3583, 21.3199

Tritanomaly

19.7027, 24.8605, 28.9594

Monochromacy



Original Color

17.9828, 24.8540, 20.6791

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.0492, 22.2687, 22.0332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9828, 24.8540, 20.6791 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(88, 149, 117)` looks like.

```
.text, #text, p{  
    color:rgb(88, 149, 117)  
}
```

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(88, 149, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 149, 117) }
```

Border

The CSS property to change the border of an element to XYZ 17.9828, 24.8540, 20.6791 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(88, 149, 117) }
```


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

```
.border{ border-color:rgb(88, 149, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 149, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 149, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 149, 117);  
box-shadow:4px 4px 4px 4px rgb(88, 149,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9828, 24.8540, 20.6791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 149, 117) }
```

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

```
.background{ background-color: rgb(88, 149,  
117) }
```

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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