

Converting Colors

XYZ(12.5537, 20.6900, 17.8031)

Have a look what the booklet for
XYZ(12.5537, 20.6900, 17.8031)
contains.

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Color

**XYZ(12.5828, 20.7490,
17.8098)**

Conversions

Conversions Part 1

Format	Color
Hex	008F6D
RGB	0, 143, 109
RGB Percent	0%, 56%, 43%
CMY	0.9999, 0.4392, 0.5725
CMYK	1.00, 0.00, 0.24, 0.44
HSL	166°, 100%, 28%
HSV	166°, 100%, 56%
XYZ	12.5828, 20.7490, 17.8098
YIQ	96.3670, -74.3140, -40.8900

Conversions

Conversions Part 2

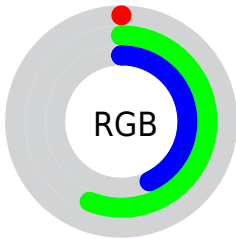
Format	Color
RYB	0, 81, 143
Decimal	36717
CIELab	52.67, -41.18, 9.02
CIELCh	53, 42.155, 167.638
Yxy	20.7490, 0.2460, 0.4057
Android (android.graphics.Color)	4278226797 (0xFF008F6D)
YUV	96.3670, 6.2281, -84.5139
Hunter-Lab	45.5511, -30.4064, 8.7042

Details

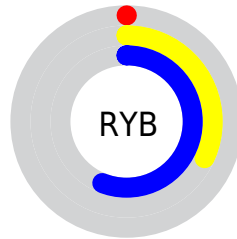
The XYZ color **12.5828, 20.7490, 17.8098** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.6172, 5.9558, 2.0519**, and the grayscale version is **11.2071, 11.7907, 12.8401**.

A 20% lighter version of the original color is **30.2833, 44.8462, 40.7783**, and **4.5834, 7.8191, 5.6825** is the 20% darker color. If you saturate the color by 10%, you get **12.5830, 20.7496, 17.8092**, and if you desaturate by 10%, it is **12.9559, 20.9203, 18.8020**.

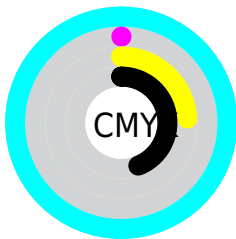
Distribution



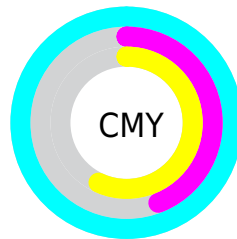
- Red (0%)
- Green (56%)
- Blue (43%)



- Red (0%)
- Yellow (32%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (44%)



- Cyan (100%)
- Magenta (44%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5828, 20.7490, 17.8098 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 12.5828, 20.7490, 17.8098 by changing the saturation by 10% instead.

■ 12.5828, 20.7490,
17.8098

■ 12.5828, 20.7490,
17.8098

201.9184,
255.9415, 251.9968

■ 7.2169, 12.9407,
10.6455

■ 30.1599, 44.6694,
40.5225

■ 3.6457, 7.3877,
5.7178

■ 43.1019, 61.5503,
56.9080

■ 1.5037, 3.7057,
2.6083

■ 59.2999, 82.2241,
77.2043

■ 0.3283, 1.5103,
0.8967

■ 79.1193, 107.0753,
101.8299

■ 0.0000, 0.2960,
0.0000

■ 102.9256,
136.4883, 131.2035

■ 0.0000, 0.0000,
0.0000

■ 131.0839,

170.8473, 165.7434

163.9597,
210.5370, 205.8684

■ 12.5828, 20.7490,
17.8098

■ 12.5828, 20.7490,
17.8098

■ 12.5830, 20.7496,
17.8092

■ 12.9559, 20.9203,
18.8020

■ 13.4596, 21.1576,
19.8372

■ 14.1575, 21.4941,
20.9193

■ 15.0729, 21.9419,
22.0497

■ 16.2255, 22.5112,
23.2298

■ 17.6331, 23.2111,
24.4608

■ 19.3115, 24.0496,
25.7438

■ 21.2752, 25.0345,
27.0798

■ 23.5378, 26.1725,
28.4699

Harmonies

Analogous

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



14.1277, 20.7490, 9.9213



12.5828, 20.7490, 17.8098



12.7322, 20.7490, 30.7208

Triad

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



12.5828, 20.7490, 17.8098



22.3860, 20.7490, 54.2733



25.9609, 20.7490, 9.0413

Complementary

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



12.5828, 20.7490, 17.8098



11.6172, 5.9558, 2.0519

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.



28.8900, 20.7490, 16.0410



12.5828, 20.7490, 17.8098



26.6252, 20.7490, 43.0642

Square

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



12.5828, 20.7490, 17.8098



17.9719, 20.7490, 55.3110



29.1497, 20.7490, 28.1620



21.5807, 20.7490, 6.2682

Rectangle

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



12.5828, 20.7490, 17.8098



13.7733, 20.7490, 40.7639



29.1497, 20.7490, 28.1620



27.1742, 20.7490, 10.8280

Sweetspot

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



12.5834, 20.7498, 17.8103



34.3736, 42.9632, 45.9506



10.5422, 20.0164, 3.3084



7.6114, 9.7168, 10.3363



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.



12.5834, 20.7498, 17.8103



22.4644, 37.1306, 31.5290



10.2427, 12.5521, 27.8704



5.5062, 6.0947, 6.6314



11.1337, 18.3494, 15.7902



0.1150, 0.1788, 0.1959

Inverse Universe

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



11.6172, 5.9558, 2.0519



20.7458, 10.6417, 3.3697



11.9519, 7.0873, 0.7385



5.4582, 5.4438, 5.9108



10.2784, 5.2684, 1.8515



0.1057, 0.0534, 0.0570

Previews

White Background



This preview shows how the XYZ color 12.5828, 20.7490, 17.8098 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 12.5828, 20.7490, 17.8098 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 12.5828, 20.7490, 17.8098

Background



This preview shows how black text looks on a background with the XYZ color 12.5828, 20.7490, 17.8098.



This preview shows how white text looks on a background with the XYZ color 12.5828, 20.7490,

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

12.5828, 20.7490, 17.8098

Protanopia

19.3067, 20.5739, 15.0102

Deuteranopia

20.8591, 20.5524, 18.7872



Tritanopia

15.5955, 20.9048, 31.6468

Trichromacy



Original Color

12.5828, 20.7490, 17.8098

Protanomaly

14.4458, 19.4131, 15.8177

Deuteranomaly

14.9913, 19.0440, 18.2150

Tritanomaly

14.1879, 20.7386, 25.8094

Monochromacy



Original Color

12.5828, 20.7490, 17.8098

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.1786, 13.7419, 14.4279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5828, 20.7490, 17.8098 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(0, 143, 109)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 109)  
}
```

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(0, 143, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 109) }
```

Border

The CSS property to change the border of an element to XYZ 12.5828, 20.7490, 17.8098 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(0, 143, 109) }
```


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

```
.border{ border-color:rgb(0, 143, 109) }
```

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

Here you see how a box with a 4 pixel rgb(0, 143, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 109);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5828, 20.7490, 17.8098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 109) }
```

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

```
.background{ background-color: rgb(0, 143,  
109) }
```

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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