

Converting Colors

XYZ(17.6929, 27.9897, 24.1480)

Have a look what the booklet for
XYZ(17.6929, 27.9897, 24.1480)
contains.

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Color

**XYZ(17.6411, 27.8393,
24.1824)**

Conversions

Conversions Part 1

Format	Color
Hex	2AA27E
RGB	42, 162, 126
RGB Percent	16%, 64%, 49%
CMY	0.8353, 0.3647, 0.5059
CMYK	0.74, 0.00, 0.22, 0.36
HSL	162°, 59%, 40%
HSV	162°, 74%, 64%
XYZ	17.6411, 27.8393, 24.1824
YIQ	122.0160, -59.9640, -36.6360

Conversions

Conversions Part 2

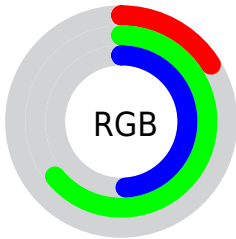
Format	Color
RYB	42, 113, 162
Decimal	2794110
CIELab	59.74, -41.27, 9.47
CIELCh	60, 42.342, 167.071
Yxy	27.8393, 0.2532, 0.3996
Android (android.graphics.Color)	4280984190 (0xFF2AA27E)
YUV	122.0160, 1.9641, -70.1740
Hunter-Lab	52.7630, -32.6544, 9.7602

Details

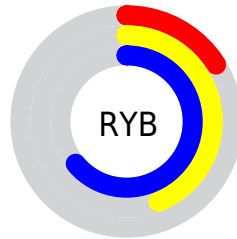
The XYZ color **17.6411, 27.8393, 24.1824** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.1044, 9.8881, 8.2160**, and the grayscale version is **18.5126, 19.4767, 21.2101**.

A 20% lighter version of the original color is **39.0338, 56.4007, 51.4770**, and **6.8082, 11.4731, 8.8769** is the 20% darker color. If you saturate the color by 10%, you get **16.8017, 27.4426, 22.5460**, and if you desaturate by 10%, it is **18.7651, 28.3823, 25.9130**.

Distribution



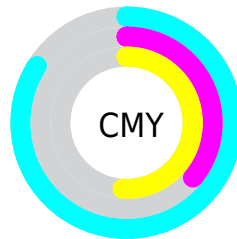
- Red (16%)
- Green (64%)
- Blue (49%)



- Red (16%)
- Yellow (44%)
- Blue (64%)



- Cyan (74%)
- Magenta (0%)
- Yellow (22%)
- Black (36%)



- Cyan (84%)
- Magenta (36%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6411, 27.8393, 24.1824 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 17.6411, 27.8393, 24.1824 by changing the saturation by 10% instead.

■ 17.6411, 27.8393,
24.1824

■ 17.6411, 27.8393,
24.1824

231.9252,
291.6982, 287.0575

■ 10.7907, 18.2046,
15.2555

■ 38.9597, 56.2278,
51.2752

■ 5.9926, 11.0969,
8.8503

■ 54.1587, 75.7503,
70.2783

■ 2.8812, 6.1321,
4.5482

■ 72.8712, 99.3375,
93.4772

■ 1.0912, 2.9256,
1.9306

■ 95.4627, 127.3739,
121.2904

■ 0.0178, 1.0930,
0.5121

■ 122.2985,
160.2437, 154.1365

■ 0.0000, 0.0000,
0.0000

■ 153.7439,

198.3315, 192.4340

190.1644,
242.0215, 236.6015

■ 17.6411, 27.8393,
24.1824

■ 17.6411, 27.8393,
24.1824

■ 16.8017, 27.4426,
22.5460

■ 18.7651, 28.3823,
25.9130

■ 16.2098, 27.1711,
20.9989

■ 20.2004, 29.0833,
27.7381

■ 15.9240, 27.0429,
20.1214

■ 21.9732, 29.9565,
29.6608

■ 24.1060, 31.0135,
31.6831

■ 26.6196, 32.2649,
33.8071

■ 29.5330, 33.7205,
36.0346

■ 32.8639, 35.3895,
38.3674

■ 36.6290, 37.2803,
40.8074

■ 40.8440, 39.4012,
43.3562

Harmonies

Analogous

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



19.6154, 27.8393, 14.3388



17.6411, 27.8393, 24.1824



17.7885, 27.8393, 39.8179

Triad

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



17.6411, 27.8393, 24.1824



29.5993, 27.8393, 68.1367



34.1100, 27.8393, 13.4431

Complementary

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



17.6411, 27.8393, 24.1824



17.1044, 9.8881, 8.2160

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.



37.5727, 27.8393, 22.4543



17.6411, 27.8393, 24.1824



34.7371, 27.8393, 55.1551

Square

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



17.6411, 27.8393, 24.1824



24.2232, 27.8393, 69.0877



37.8165, 27.8393, 37.3992



28.8313, 27.8393, 9.6997

Rectangle

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



17.6411, 27.8393, 24.1824



19.0667, 27.8393, 51.7862



37.8165, 27.8393, 37.3992



35.5542, 27.8393, 15.7861

Sweetspot

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



17.6419, 27.8404, 24.1830



49.1474, 58.9833, 62.0275



16.6475, 27.7145, 6.6630



10.7537, 13.1054, 13.7036



78.6606, 82.7571, 90.1225



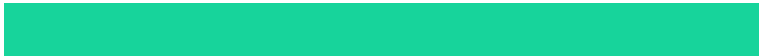
14.0027, 14.7319, 16.0430

Same Dimension

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



17.6419, 27.8404, 24.1830



29.7438, 49.4688, 39.0511



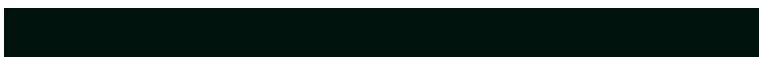
16.8554, 21.8582, 37.5144



7.1851, 7.9749, 8.5868



12.5645, 21.3121, 15.9550



0.2833, 0.4555, 0.4369

Inverse Universe

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



17.1044, 9.8881, 8.2160



28.8030, 15.1453, 8.9551



17.1525, 11.5162, 3.5098



7.1572, 7.1193, 7.8140



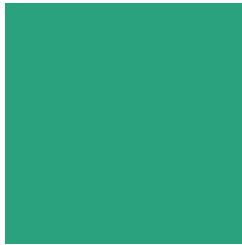
12.1861, 6.2305, 2.9047



0.2760, 0.1389, 0.1660

Previews

White Background



This preview shows how the XYZ color 17.6411, 27.8393, 24.1824 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 17.6411, 27.8393, 24.1824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

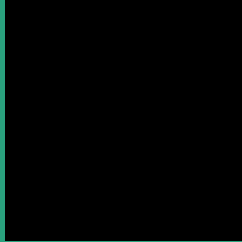
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.6411, 27.8393, 24.1824

Background



This preview shows how black text looks on a background with the XYZ color 17.6411, 27.8393, 24.1824.



This preview shows how white text looks on a background with the XYZ color 17.6411, 27.8393,

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

17.6411, 27.8393, 24.1824

Protanopia

25.7373, 27.4852, 20.4717

Deuteranopia

27.8832, 27.3927, 25.2905



Tritanopia

21.1643, 27.7315, 41.7734

Trichromacy



Original Color

17.6411, 27.8393, 24.1824



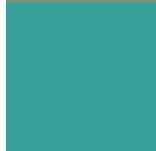
Protanomaly

20.8521, 26.5483, 21.7946



Deuteranomaly

21.8674, 26.3040, 24.6935



Tritanomaly

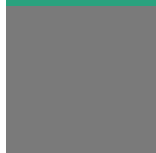
19.6075, 27.5944, 34.4298

Monochromacy



Original Color

17.6411, 27.8393, 24.1824



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.0350, 21.6485, 22.0196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6411, 27.8393, 24.1824 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(42, 162, 126)` looks like.

```
.text, #text, p{  
    color:rgb(42, 162, 126)  
}
```

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(42, 162, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 162, 126) }
```

Border

The CSS property to change the border of an element to XYZ 17.6411, 27.8393, 24.1824 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(42, 162, 126) }
```


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

```
.border{ border-color:rgb(42, 162, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 162, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 162, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 162, 126);  
box-shadow:4px 4px 4px 4px rgb(42, 162,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6411, 27.8393, 24.1824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 162, 126) }
```

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

```
.background{ background-color: rgb(42, 162,  
126) }
```

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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