

Converting Colors

XYZ(12.5756, 17.5202, 17.5169)

Have a look what the booklet for
XYZ(12.5756, 17.5202, 17.5169)
contains.

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Color

**XYZ(12.6480, 17.6541,
17.4928)**

Conversions

Conversions Part 1

Format	Color
Hex	40806E
RGB	64, 128, 110
RGB Percent	25%, 50%, 43%
CMY	0.7490, 0.4980, 0.5686
CMYK	0.50, 0.00, 0.14, 0.50
HSL	163°, 33%, 38%
HSV	163°, 50%, 50%
XYZ	12.6480, 17.6541, 17.4928
YIQ	106.8120, -32.3660, -19.1660

Conversions

Conversions Part 2

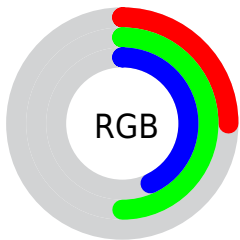
Format	Color
RYB	64, 101, 128
Decimal	4227182
CIELab	49.07, -25.22, 3.47
CIELCh	49, 25.460, 172.164
Yxy	17.6541, 0.2646, 0.3694
Android (android.graphics.Color)	4282417262 (0xFF40806E)
YUV	106.8120, 1.5717, -37.5461
Hunter-Lab	42.0168, -19.7968, 4.7276

Details

The XYZ color **12.6480, 17.6541, 17.4928** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **12.2591, 8.8657, 9.0485**, and the grayscale version is **13.9257, 14.6509, 15.9549**.

A 20% lighter version of the original color is **30.2479, 39.3694, 40.1872**, and **3.6717, 5.8335, 5.6351** is the 20% darker color. If you saturate the color by 10%, you get **11.7173, 17.1970, 16.4470**, and if you desaturate by 10%, it is **13.7787, 18.2144, 18.5904**.

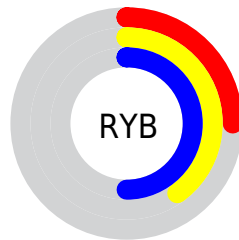
Distribution



Red (25%)

Green (50%)

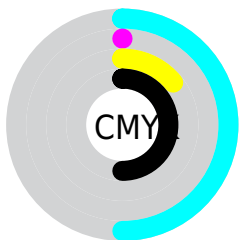
Blue (43%)



Red (25%)

Yellow (40%)

Blue (50%)

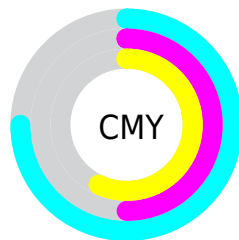


Cyan (50%)

Magenta (0%)

Yellow (14%)

Black (50%)



Cyan (75%)

Magenta (50%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6480, 17.6541, 17.4928 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 12.6480, 17.6541, 17.4928 by changing the saturation by 10% instead.

■ 12.6480, 17.6541,
17.4928

■ 12.6480, 17.6541,
17.4928

202.3328,
238.9141, 250.1358

■ 7.2619, 10.7019,
10.4208

■ 30.2767, 39.4470,
39.9733

■ 3.6742, 5.8668,
5.5696

■ 43.2500, 55.0566,
56.2190

■ 1.5195, 2.7642,
2.5207

■ 59.4831, 74.3207,
76.3596

■ 0.3391, 1.0099,
0.8511

■ 79.3413, 97.6239,
100.8137

■ 0.0000, 0.0000,
0.0000

■ 103.1900,
125.3504, 129.9998

131.3946,

157.8846, 164.3365

164.3204,
195.6111, 204.2423

■ 12.6480, 17.6541,
17.4928

■ 12.6480, 17.6541,
17.4928

■ 11.7173, 17.1970,
16.4470

■ 13.7787, 18.2144,
18.5904

■ 10.9719, 16.8339,
15.4505

■ 15.1201, 18.8818,
19.7395

■ 10.3971, 16.5580,
14.5026

■ 16.6838, 19.6629,
20.9415

■ 9.9755, 16.3602,
13.6020

■ 18.4800, 20.5630,
22.1975

■ 9.6512, 16.2116,
12.7456

■ 20.5185, 21.5870,
23.5082

■ 9.6512, 16.2116,
12.7455

■ 22.8083, 22.7395,
24.8746

■ 25.3581, 24.0251,
26.2976

■ 28.1761, 25.4480,
27.7778

■ 31.2700, 27.0121,
29.3162

Harmonies

Analogous

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



13.4236, 17.6541, 12.2609



12.6480, 17.6541, 17.4928



12.8939, 17.6541, 24.5937

Triad

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



12.6480, 17.6541, 17.4928



18.5631, 17.6541, 34.0664



19.7414, 17.6541, 10.6291

Complementary

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



12.6480, 17.6541, 17.4928



12.2591, 8.8657, 9.0485

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.



21.3769, 17.6541, 14.6962



12.6480, 17.6541, 17.4928



20.6532, 17.6541, 28.4184

Square

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



12.6480, 17.6541, 17.4928



16.1644, 17.6541, 35.3185



21.7254, 17.6541, 21.0622



17.4104, 17.6541, 8.9546

Rectangle

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



12.6480, 17.6541, 17.4928



13.6156, 17.6541, 29.4121



21.7254, 17.6541, 21.0622



20.3995, 17.6541, 11.7085

Sweetspot

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



12.6485, 17.6548, 17.4932



30.7931, 35.3293, 37.8867



12.1364, 17.6090, 7.6101



7.0803, 8.2068, 8.7790



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.



12.6485, 17.6548, 17.4932



20.4292, 30.1789, 28.7088



12.0436, 14.7139, 22.6281



4.3965, 4.8669, 5.2589



9.5701, 16.0746, 12.6408



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.2591, 8.8657, 9.0485



19.6719, 12.8246, 12.0924



12.5430, 10.3897, 6.1952



4.3737, 4.3626, 4.7721



9.1434, 4.6770, 2.0789



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.6480, 17.6541, 17.4928 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 12.6480, 17.6541, 17.4928 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 12.6480, 17.6541, 17.4928

Background



This preview shows how black text looks on a background with the XYZ color 12.6480, 17.6541, 17.4928.

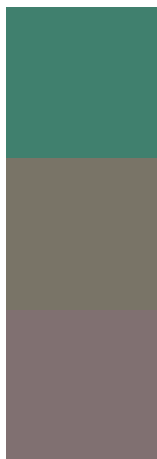


This preview shows how white text looks on a background with the XYZ color 12.6480, 17.6541,

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

12.6480, 17.6541, 17.4928

Protanopia

16.5787, 17.5350, 15.3428

Deuteranopia

17.6769, 17.3698, 18.0438



Tritanopia

14.3053, 17.7561, 25.5950

Trichromacy



Original Color

12.6480, 17.6541, 17.4928

Protanomaly

14.5735, 17.1829, 16.1842

Deuteranomaly

15.2288, 17.1300, 17.8330

Tritanomaly

13.6106, 17.6570, 22.4295

Monochromacy



Original Color

12.6480, 17.6541, 17.4928

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.1519, 15.5683, 16.4992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6480, 17.6541, 17.4928 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(64, 128, 110)` looks like.

```
.text, #text, p{  
    color:rgb(64, 128, 110)  
}
```

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(64, 128, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 128, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.6480, 17.6541, 17.4928 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(64, 128, 110) }
```


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

```
.border{ border-color:rgb(64, 128, 110) }
```

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

Here you see how a box with a 4 pixel rgb(64, 128, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 128, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 128, 110);  
box-shadow:4px 4px 4px 4px rgb(64, 128,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6480, 17.6541, 17.4928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 128, 110) }
```

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

```
.background{ background-color: rgb(64, 128,  
110) }
```

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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