

Converting Colors

XYZ(10.4163, 15.4521, 17.0646)

Have a look what the booklet for
XYZ(10.4163, 15.4521, 17.0646)
contains.

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Color

**XYZ(10.4012, 15.3682,
17.1700)**

Conversions

Conversions Part 1

Format	Color
Hex	217A6E
RGB	33, 122, 110
RGB Percent	13%, 48%, 43%
CMY	0.8706, 0.5216, 0.5686
CMYK	0.73, 0.00, 0.10, 0.52
HSL	172°, 57%, 30%
HSV	172°, 73%, 48%
XYZ	10.4012, 15.3682, 17.1700
YIQ	94.0210, -49.1920, -22.6000

Conversions

Conversions Part 2

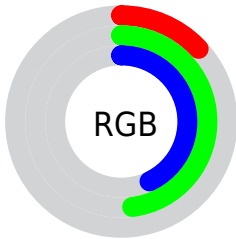
Format	Color
R_{YB}	33, 81, 122
Decimal	2194030
CIE _{Lab}	46.13, -28.66, -0.92
CIE _{LCh}	46, 28.678, 181.846
Yxy	15.3682, 0.2422, 0.3579
Android (android.graphics.Color)	4280384110 (0xFF217A6E)
YUV	94.0210, 7.8776, -53.5154
Hunter-Lab	39.2023, -21.2442, 1.4735

Details

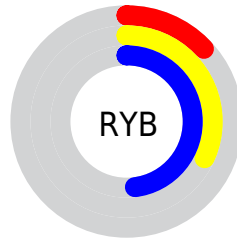
The XYZ color **10.4012, 15.3682, 17.1700** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.0441, 5.4152, 3.0517**, and the grayscale version is **10.6351, 11.1889, 12.1847**.

A 20% lighter version of the original color is **26.1766, 35.5085, 39.1924**, and **3.2797, 5.1240, 5.5188** is the 20% darker color. If you saturate the color by 10%, you get **9.9907, 15.1672, 16.6878**, and if you desaturate by 10%, it is **10.9559, 15.6441, 17.6683**.

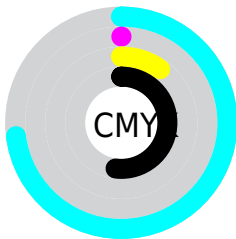
Distribution



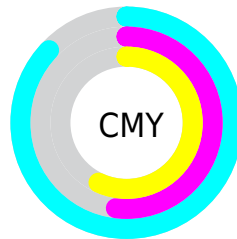
- Red (13%)
- Green (48%)
- Blue (43%)



- Red (13%)
- Yellow (32%)
- Blue (48%)



- Cyan (73%)
- Magenta (0%)
- Yellow (10%)
- Black (52%)



- Cyan (87%)
- Magenta (52%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4012, 15.3682, 17.1700 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 10.4012, 15.3682, 17.1700 by changing the saturation by 10% instead.

■ 10.4012, 15.3682,
17.1700

■ 10.4012, 15.3682,
17.1700

187.5064,
225.5841, 248.2272

■ 5.7301, 9.0782,
10.1925

■ 26.1903, 35.4978,
39.4125

■ 2.7207, 4.7922,
5.4195

■ 38.0390, 50.1063,
55.5146

■ 1.0079, 2.1259,
2.4324

■ 53.0109, 68.2563,
75.4953

■ 0.0000, 0.6791,
0.8040

■ 71.4714, 90.3323,
99.7732

■ 0.0000, 0.0000,
0.0000

■ 93.7859, 116.7187,
128.7668

■ 120.3196,

147.7999, 162.8946

151.4380,
183.9602, 202.5752

■ 10.4012, 15.3682,
17.1700

■ 10.4012, 15.3682,
17.1700

■ 9.9907, 15.1672,
16.6878

■ 10.9559, 15.6441,
17.6683

■ 9.7061, 15.0306,
16.2198

■ 11.6674, 16.0002,
18.1823

■ 9.5380, 14.9509,
15.8965

■ 12.5480, 16.4434,
18.7130

■ 13.6089, 16.9792,
19.2610

■ 14.8599, 17.6129,
19.8267

■ 16.3105, 18.3493,
20.4107

■ 17.9692, 19.1928,
21.0134

■ 19.8442, 20.1476,
21.6352

■ 21.9433, 21.2177,
22.2765

Harmonies

Analogous

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



10.8482, 15.3682, 11.1598



10.4012, 15.3682, 17.1700



10.9726, 15.3682, 24.8726

Triad

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



10.4012, 15.3682, 17.1700



17.2253, 15.3682, 30.9414



16.9348, 15.3682, 7.4615

Complementary

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



10.4012, 15.3682, 17.1700



9.0441, 5.4152, 3.0517

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.



18.9665, 15.3682, 10.5972



10.4012, 15.3682, 17.1700



19.1470, 15.3682, 23.9087

Square

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



10.4012, 15.3682, 17.1700



14.7587, 15.3682, 34.0788



19.8167, 15.3682, 16.3042



14.4564, 15.3682, 6.5752

Rectangle

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



10.4012, 15.3682, 17.1700



11.8958, 15.3682, 29.6811



19.8167, 15.3682, 16.3042



17.7018, 15.3682, 8.2345

Sweetspot

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



10.4016, 15.3688, 17.1704



26.2416, 31.0358, 34.9222



8.3771, 14.6185, 3.8193



5.8878, 7.0394, 7.9368



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.4016, 15.3688, 17.1704



17.1969, 26.5000, 28.7648



7.8688, 9.1856, 19.7713



4.0849, 4.5036, 4.9811



10.0394, 15.7394, 16.7244



47.6602, 74.9871, 78.5717

Inverse Universe

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



9.0441, 5.4152, 3.0517



14.6982, 7.8823, 2.5580



10.1430, 7.9317, 2.4355



4.0183, 4.0230, 4.2940



8.5502, 4.3962, 0.9221



40.5974, 20.8953, 3.4100

Previews

White Background



This preview shows how the XYZ color 10.4012, 15.3682, 17.1700 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 10.4012, 15.3682, 17.1700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

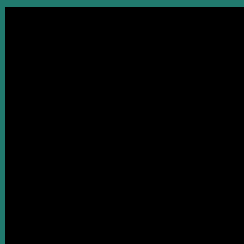
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4012, 15.3682, 17.1700

Background



This preview shows how black text looks on a background with the XYZ color 10.4012, 15.3682, 17.1700.

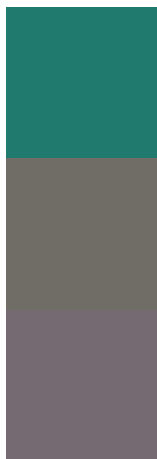


This preview shows how white text looks on a background with the XYZ color 10.4012, 15.3682,

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

10.4012, 15.3682, 17.1700

Protanopia

14.4429, 15.1292, 14.7294

Deuteranopia

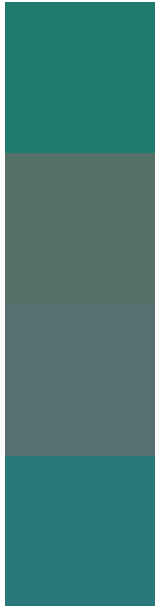
15.4250, 15.1000, 18.0212



Tritanopia

11.5980, 15.3141, 23.1135

Trichromacy



Original Color

10.4012, 15.3682, 17.1700

Protanomaly

12.0222, 14.6692, 15.5624

Deuteranomaly

12.5028, 14.5396, 17.7702

Tritanomaly

11.1044, 15.2892, 20.7782

Monochromacy



Original Color

10.4012, 15.3682, 17.1700

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.9231, 12.1984, 13.8881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4012, 15.3682, 17.1700 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(33, 122, 110)` looks like.

```
.text, #text, p{  
    color:rgb(33, 122, 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(33, 122, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 122, 110) }
```

Border

The CSS property to change the border of an element to XYZ 10.4012, 15.3682, 17.1700 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(33, 122, 110) }
```


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

```
.border{ border-color:rgb(33, 122, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 122, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 122, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 122, 110);  
box-shadow:4px 4px 4px 4px rgb(33, 122,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4012, 15.3682, 17.1700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 122, 110) }
```

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

```
.background{ background-color: rgb(33, 122,  
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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