

Converting Colors

XYZ(11.4324, 17.8044, 18.2009)

Have a look what the booklet for
XYZ(11.4324, 17.8044, 18.2009)
contains.

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Color

**XYZ(11.4253, 17.8010,
18.1630)**

Conversions

Conversions Part 1

Format	Color
Hex	128470
RGB	18, 132, 112
RGB Percent	7%, 52%, 44%
CMY	0.9294, 0.4823, 0.5608
CMYK	0.86, 0.00, 0.15, 0.48
HSL	169°, 76%, 29%
HSV	169°, 86%, 52%
XYZ	11.4253, 17.8010, 18.1630
YIQ	95.6340, -61.5240, -30.3880

Conversions

Conversions Part 2

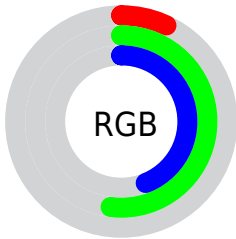
Format	Color
RYB	18, 80, 132
Decimal	1213552
CIELab	49.25, -34.50, 2.41
CIElCh	49, 34.588, 176.004
Yxy	17.8010, 0.2411, 0.3756
Android (android.graphics.Color)	4279403632 (0xFF128470)
YUV	95.6340, 8.0684, -68.0850
Hunter-Lab	42.1912, -25.4972, 4.0100

Details

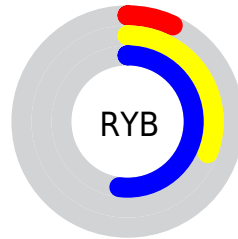
The XYZ color **11.4253, 17.8010, 18.1630** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.0824, 5.4784, 2.3602**, and the grayscale version is **11.0219, 11.5959, 12.6280**.

A 20% lighter version of the original color is **28.1902, 39.8244, 41.3231**, and **3.8678, 6.2550, 5.8540** is the 20% darker color. If you saturate the color by 10%, you get **11.1091, 17.6531, 17.4840**, and if you desaturate by 10%, it is **11.8782, 18.0198, 18.8665**.

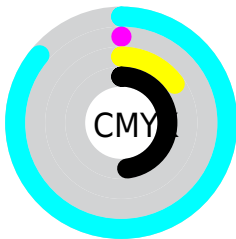
Distribution



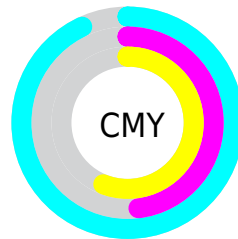
- Red (7%)
- Green (52%)
- Blue (44%)



- Red (7%)
- Yellow (31%)
- Blue (52%)



- Cyan (86%)
- Magenta (0%)
- Yellow (15%)
- Black (48%)



- Cyan (93%)
- Magenta (48%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4253, 17.8010, 18.1630 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 11.4253, 17.8010, 18.1630 by changing the saturation by 10% instead.

■ 11.4253, 17.8010,
18.1630

■ 11.4253, 17.8010,
18.1630

194.4112,
239.7470, 254.0551

■ 6.4231, 10.8072,
10.8964

■ 28.0700, 39.6979,
41.1326

■ 3.1471, 5.9373,
5.8839

■ 40.4432, 55.3699,
57.6726

■ 1.2320, 2.8070,
2.7070

■ 56.0041, 74.7033,
78.1409

■ 0.1314, 1.0318,
0.9469

■ 75.1180, 98.0827,
102.9560

■ 0.0000, 0.0000,
0.0000

■ 98.1503, 125.8923,
132.5365

■ 125.4664,

158.5167, 167.3008

157.4316,
196.3401, 207.6674

■ 11.4253, 17.8010,
18.1630

■ 11.4253, 17.8010,
18.1630

■ 11.1091, 17.6531,
17.4840

■ 11.8782, 18.0198,
18.8665

■ 11.0034, 17.6039,
17.2415

■ 12.4971, 18.3234,
19.5948

■ 13.3003, 18.7216,
20.3494

■ 14.3033, 19.2224,
21.1310

■ 15.5198, 19.8329,
21.9403

■ 16.9625, 20.5596,
22.7783

■ 18.6429, 21.4084,
23.6454

■ 20.5718, 22.3849,
24.5423

■ 22.7593, 23.4943,
25.4696

Harmonies

Analogous

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



12.2541, 17.8010, 11.0068



11.4253, 17.8010, 18.1630



11.9066, 17.8010, 28.3235

Triad

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



11.4253, 17.8010, 18.1630



19.8061, 17.8010, 40.2967



20.6548, 17.8010, 8.0182

Complementary

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



11.4253, 17.8010, 18.1630



10.0824, 5.4784, 2.3602

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.



23.1721, 17.8010, 12.5538



11.4253, 17.8010, 18.1630



22.6398, 17.8010, 31.1940

Square

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



11.4253, 17.8010, 18.1630



16.4880, 17.8010, 43.2428



23.9410, 17.8010, 20.6549



17.3580, 17.8010, 6.4595

Rectangle

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



11.4253, 17.8010, 18.1630



12.9435, 17.8010, 35.2958



23.9410, 17.8010, 20.6549



21.6358, 17.8010, 9.1569

Sweetspot

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



11.4258, 17.8017, 18.1634



29.8181, 36.1838, 40.0894



9.1939, 16.9763, 3.3646



6.7592, 8.3320, 9.2315



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.4258, 17.8017, 18.1634



19.3329, 30.9885, 30.1126



8.5886, 10.1427, 23.3357



4.7675, 5.2652, 5.7868



10.6554, 17.0450, 16.7025



0.0392, 0.0600, 0.0699

Inverse Universe

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



10.0824, 5.4784, 2.3602



16.9960, 8.7347, 2.0169



10.9493, 7.5974, 1.4618



4.7035, 4.7011, 5.0509



9.3664, 4.8109, 1.2360



0.0344, 0.0174, 0.0144

Previews

White Background



This preview shows how the XYZ color 11.4253, 17.8010, 18.1630 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 11.4253, 17.8010, 18.1630 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 11.4253, 17.8010, 18.1630

Background



This preview shows how black text looks on a background with the XYZ color 11.4253, 17.8010, 18.1630.

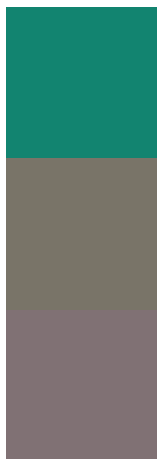


This preview shows how white text looks on a background with the XYZ color 11.4253, 17.8010,

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

11.4253, 17.8010, 18.1630

Protanopia

16.6292, 17.5552, 15.6087

Deuteranopia

17.9596, 17.6604, 18.9852



Tritanopia

13.2544, 17.7535, 27.1543

Trichromacy



Original Color

11.4253, 17.8010, 18.1630

Protanomaly

13.2695, 16.8654, 16.4659

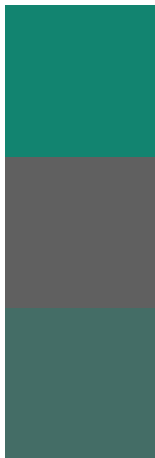
Deuteranomaly

13.8355, 16.7455, 18.7226

Tritanomaly

12.4084, 17.5926, 23.5106

Monochromacy



Original Color

11.4253, 17.8010, 18.1630

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.2508, 13.1255, 14.5636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4253, 17.8010, 18.1630 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(18, 132, 112)` looks like.

```
.text, #text, p{  
    color:rgb(18, 132, 112)  
}
```

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(18, 132, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 132, 112) }
```

Border

The CSS property to change the border of an element to XYZ 11.4253, 17.8010, 18.1630 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(18, 132, 112) }
```


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

```
.border{ border-color:rgb(18, 132, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 132, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 132, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 132, 112);  
box-shadow:4px 4px 4px 4px rgb(18, 132,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4253, 17.8010, 18.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 132, 112) }
```

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

```
.background{ background-color: rgb(18, 132,  
112) }
```

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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