

Converting Colors

XYZ(11.8429, 14.9624, 28.2508)

Have a look what the booklet for
XYZ(11.8429, 14.9624, 28.2508)
contains.

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Color

**XYZ(11.8546, 14.9818,
28.2536)**

Conversions

Conversions Part 1

Format	Color
Hex	1E758F
RGB	30, 117, 143
RGB Percent	12%, 46%, 56%
CMY	0.8823, 0.5412, 0.4392
CMYK	0.79, 0.18, 0.00, 0.44
HSL	194°, 65%, 34%
HSV	194°, 79%, 56%
XYZ	11.8546, 14.9818, 28.2536
YIQ	93.9510, -60.1980, -10.3580

Conversions

Conversions Part 2

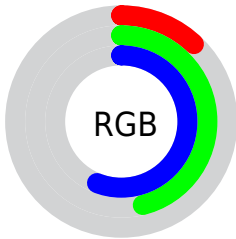
Format	Color
R_{YB}	30, 79, 143
Decimal	1996175
CIE _{Lab}	45.61, -15.74, -21.34
CIE _{LCh}	46, 26.520, 233.589
Yxy	14.9818, 0.2152, 0.2720
Android (android.graphics.Color)	4280186255 (0xFF1E758F)
YUV	93.9510, 24.1812, -56.0850
Hunter-Lab	38.7063, -13.0668, -16.1842

Details

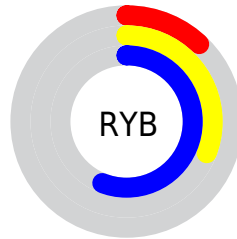
The XYZ color **11.8546, 14.9818, 28.2536** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.9767, 8.7623, 2.2361**, and the grayscale version is **10.5833, 11.1344, 12.1254**.

A 20% lighter version of the original color is **28.8821, 34.7868, 58.0156**, and **4.1039, 5.0466, 11.1137** is the 20% darker color. If you saturate the color by 10%, you get **11.1515, 14.0605, 28.1131**, and if you desaturate by 10%, it is **12.7616, 16.0288, 28.4082**.

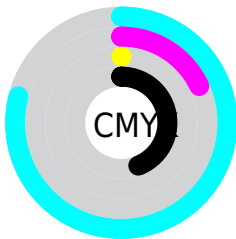
Distribution



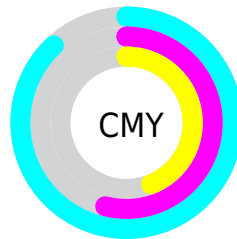
- Red (12%)
- Green (46%)
- Blue (56%)



- Red (12%)
- Yellow (31%)
- Blue (56%)



- Cyan (79%)
- Magenta (18%)
- Yellow (0%)
- Black (44%)



- Cyan (88%)
- Magenta (54%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8546, 14.9818, 28.2536 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 11.8546, 14.9818, 28.2536 by changing the saturation by 10% instead.

■ 11.8546, 14.9818,
28.2536

■ 11.8546, 14.9818,
28.2536

■ 197.2299,
223.2560, 307.6267

■ 6.7162, 8.8066,
18.2762

■ 28.8492, 34.8212,
57.9170

■ 3.3300, 4.6153,
10.9770

■ 41.4361, 49.2543,
78.4402

■ 1.3306, 2.0233,
5.9374

■ 57.2366, 67.2088,
103.3156

■ 0.2059, 0.6210,
2.7389

■ 76.6160, 89.0690,
132.9619

■ 0.0000, 0.0000,
0.9629

■ 99.9397, 115.2195,
167.7977

■ 0.0000, 0.0000,
0.0000

■ 127.5730,

146.0446, 208.2414

159.8813,
181.9286, 254.7115

■ 11.8546, 14.9818,
28.2536

■ 11.8546, 14.9818,
28.2536

■ 11.1515, 14.0605,
28.1131

■ 12.7616, 16.0288,
28.4082

■ 10.5971, 13.2353,
27.9831

■ 13.8938, 17.2119,
28.5769

■ 10.5445, 13.1562,
27.9706

■ 15.2715, 18.5419,
28.7610

■ 16.9121, 20.0281,
28.9614

■ 18.8315, 21.6787,
29.1788

■ 21.0441, 23.5015,
29.4140

■ 23.5634, 25.5036,
29.6677

■ 26.4020, 27.6916,
29.9404

■ 29.5719, 30.0720,
30.2328

Harmonies

Analogous

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



10.6769, 14.9818, 21.7068



11.8546, 14.9818, 28.2536



13.7687, 14.9818, 31.7159

Triad

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



11.8546, 14.9818, 28.2536



18.9140, 14.9818, 17.7152



12.5998, 14.9818, 7.4820

Complementary

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



11.8546, 14.9818, 28.2536



12.9767, 8.7623, 2.2361

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.



14.7214, 14.9818, 6.9342



11.8546, 14.9818, 28.2536



18.5182, 14.9818, 11.8954

Square

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



11.8546, 14.9818, 28.2536



17.9565, 14.9818, 24.6928



16.9251, 14.9818, 8.3231



11.0749, 14.9818, 10.0820

Rectangle

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



11.8546, 14.9818, 28.2536



15.2659, 14.9818, 31.3039



16.9251, 14.9818, 8.3231



13.2607, 14.9818, 7.0855

Sweetspot

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



11.8551, 14.9823, 28.2540



35.4441, 40.2558, 52.4401



11.0356, 20.1922, 6.8663



7.8443, 8.9957, 11.9951



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.



11.8551, 14.9823, 28.2540



19.1913, 24.0034, 50.1597



7.2174, 5.7069, 26.7081



5.4565, 5.9088, 6.8817



9.3394, 11.6649, 24.7364



0.1058, 0.1446, 0.2420

Inverse Universe

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



15.0033, 8.0530, 17.5938



25.5336, 12.7185, 28.0837



17.2451, 17.2992, 3.6589



5.5739, 5.4901, 6.5202



12.5172, 6.1639, 13.6409



0.1280, 0.0623, 0.1744

Previews

White Background



This preview shows how the XYZ color 11.8546, 14.9818, 28.2536 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 11.8546, 14.9818, 28.2536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

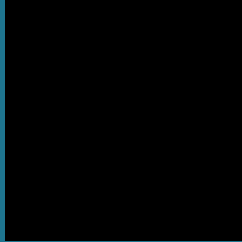
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8546, 14.9818, 28.2536

Background



This preview shows how black text looks on a background with the XYZ color 11.8546, 14.9818, 28.2536.

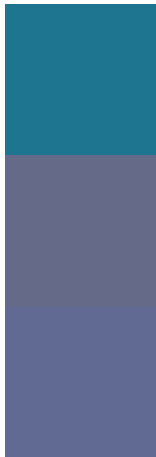


This preview shows how white text looks on a background with the XYZ color 11.8546, 14.9818,

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

11.8546, 14.9818, 28.2536

Protanopia

14.7827, 14.7667, 24.9928

Deuteranopia

15.1662, 14.8702, 29.2650



Tritanopia

10.6844, 14.8432, 23.0708

Trichromacy



Original Color

11.8546, 14.9818, 28.2536

Protanomaly

13.0650, 14.4827, 26.1516

Deuteranomaly

13.3593, 14.5739, 28.8970

Tritanomaly

11.0127, 14.7973, 24.8300

Monochromacy



Original Color

11.8546, 14.9818, 28.2536

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2745, 12.0122, 17.1063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8546, 14.9818, 28.2536 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(30, 117, 143)` looks like.

```
.text, #text, p{  
    color:rgb(30, 117, 143)  
}
```

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(30, 117, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 117, 143) }
```

Border

The CSS property to change the border of an element to XYZ 11.8546, 14.9818, 28.2536 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(30, 117, 143) }
```


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

```
.border{ border-color:rgb(30, 117, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 117, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 117, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 117, 143);  
box-shadow:4px 4px 4px 4px rgb(30, 117,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8546, 14.9818, 28.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 117, 143) }
```

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

```
.background{ background-color: rgb(30, 117,  
143) }
```

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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