

Converting Colors

XYZ(14.7588, 17.8416, 12.1173)

Have a look what the booklet for
XYZ(14.7588, 17.8416, 12.1173)
contains.

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Color

**XYZ(14.8300, 17.9514,
12.1345)**

Conversions

Conversions Part 1

Format	Color
Hex	6A7B59
RGB	106, 123, 89
RGB Percent	42%, 48%, 35%
CMY	0.5843, 0.5176, 0.6510
CMYK	0.14, 0.00, 0.28, 0.52
HSL	90°, 16%, 42%
HSV	90°, 28%, 48%
XYZ	14.8300, 17.9514, 12.1345
YIQ	114.0410, 0.7820, -14.1780

Conversions

Conversions Part 2

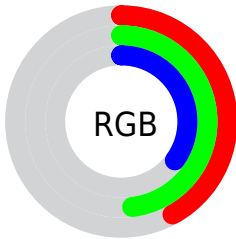
Format	Color
RYB	89, 123, 106
Decimal	6978393
CIELab	49.44, -12.88, 16.58
CIELCh	49, 20.992, 127.847
Yxy	17.9514, 0.3302, 0.3997
Android (android.graphics.Color)	4285168473 (0xFF6A7B59)
YUV	114.0410, -12.3452, -7.0520
Hunter-Lab	42.3691, -11.6675, 12.6777

Details

The XYZ color **14.8300, 17.9514, 12.1345** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.0921, 11.6395, 20.2965**, and the grayscale version is **16.0426, 16.8781, 18.3803**.

A 20% lighter version of the original color is **34.0907, 39.7931, 30.3102**, and **4.6297, 5.9715, 3.1941** is the 20% darker color. If you saturate the color by 10%, you get **13.6513, 17.3991, 9.6048**, and if you desaturate by 10%, it is **16.1485, 18.5669, 15.1221**.

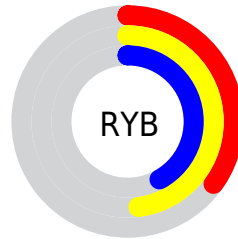
Distribution



Red (42%)

Green (48%)

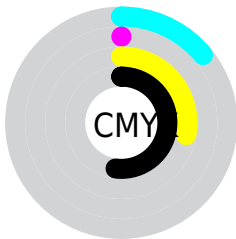
Blue (35%)



Red (35%)

Yellow (48%)

Blue (42%)

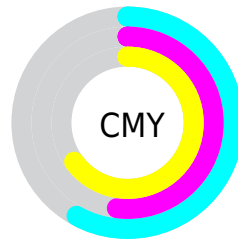


Cyan (14%)

Magenta (0%)

Yellow (28%)

Black (52%)



Cyan (58%)

Magenta (52%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8300, 17.9514, 12.1345 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 14.8300, 17.9514, 12.1345 by changing the saturation by 10% instead.

■ 14.8300, 17.9514,
12.1345

■ 14.8300, 17.9514,
12.1345

215.7438,
240.5970, 216.3031

■ 8.7857, 10.9151,
6.7117

■ 34.1288, 39.9545,
30.4079

■ 4.6577, 6.0098,
3.2068

■ 48.1140, 55.6901,
44.0955

■ 2.0805, 2.8510,
1.2012

■ 65.4768, 75.0942,
61.3752

■ 0.6786, 1.0545,
0.0000

■ 86.5827, 98.5513,
82.6655

■ 0.0000, 0.0000,
0.0000

■ 111.7970,
126.4457, 108.3849

141.4851,

159.1619, 138.9519

176.0122,
197.0842, 174.7851

■ 14.8300, 17.9514,
12.1345

■ 14.8300, 17.9514,
12.1345

■ 13.6513, 17.3991,
9.6048

■ 16.1485, 18.5669,
15.1221

■ 12.6055, 16.9052,
7.5091

■ 17.6103, 19.2453,
18.5875

■ 11.6873, 16.4683,
5.8233

■ 19.2207, 19.9894,
22.5508

■ 10.8904, 16.0855,
4.5205

■ 20.9842, 20.8012,
27.0307

■ 10.2080, 15.7540,
3.5703

■ 22.9052, 21.6826,
32.0447

■ 9.6320, 15.4705,
2.9379

■ 24.9878, 22.6352,
37.6098

■ 9.1456, 15.2280,
2.5405

■ 27.2360, 23.6607,
43.7421

■ 9.0384, 15.1746,
2.4526

■ 29.6535, 24.7609,
50.4570

■ 32.2442, 25.9373,
57.7692

Harmonies

Analogous

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



16.5474, 17.9514, 10.6076



14.8300, 17.9514, 12.1345



13.7716, 17.9514, 15.7139

Triad

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



14.8300, 17.9514, 12.1345



15.6657, 17.9514, 31.4923



21.1212, 17.9514, 18.0940

Complementary

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



14.8300, 17.9514, 12.1345



13.0921, 11.6395, 20.2965

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.



20.8394, 17.9514, 23.9555



14.8300, 17.9514, 12.1345



17.5877, 17.9514, 32.4687

Square

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



14.8300, 17.9514, 12.1345



14.2274, 17.9514, 27.0334



19.5080, 17.9514, 29.4891



20.2507, 17.9514, 13.5871

Rectangle

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



14.8300, 17.9514, 12.1345



13.5315, 17.9514, 19.1390



19.5080, 17.9514, 29.4891



21.1593, 17.9514, 19.9588

Sweetspot

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



14.8305, 17.9522, 12.1349



31.3821, 34.3913, 32.9174



15.1263, 15.2410, 11.5960



7.3071, 8.0608, 7.5509



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



14.8305, 17.9522, 12.1349



25.2250, 31.5224, 18.8408



13.0065, 17.0119, 12.0495



4.1240, 4.5392, 4.2833



9.3434, 15.6939, 2.5368



43.5874, 74.3555, 12.0548

Inverse Universe

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



13.0921, 11.6395, 20.2965



21.5811, 18.2896, 35.9494



15.3166, 12.7863, 20.4006



3.9708, 3.9828, 5.0027



5.7154, 2.5192, 19.5703



26.2814, 11.5106, 93.3064

Previews

White Background



This preview shows how the XYZ color 14.8300, 17.9514, 12.1345 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 14.8300, 17.9514, 12.1345 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

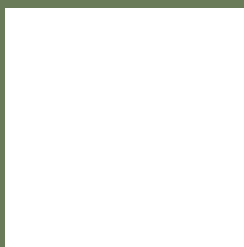
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.8300, 17.9514, 12.1345

Background



This preview shows how black text looks on a background with the XYZ color 14.8300, 17.9514, 12.1345.



This preview shows how white text looks on a background with the XYZ color 14.8300, 17.9514,

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

14.8300, 17.9514, 12.1345

Protanopia

16.6452, 17.8301, 11.3684

Deuteranopia

18.1100, 17.8840, 12.3950



Tritanopia

16.9913, 17.9339, 22.6447

Trichromacy



Original Color

14.8300, 17.9514, 12.1345

Protanomaly

15.9249, 17.8037, 11.6140

Deuteranomaly

16.8109, 17.8964, 12.2412

Tritanomaly

16.1275, 17.9402, 18.2356

Monochromacy



Original Color

14.8300, 17.9514, 12.1345

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.4666, 17.1220, 15.8543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8300, 17.9514, 12.1345 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(106, 123, 89)` looks like.

```
.text, #text, p{  
    color:rgb(106, 123, 89)  
}
```

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(106, 123, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 123, 89) }
```

Border

The CSS property to change the border of an element to XYZ 14.8300, 17.9514, 12.1345 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(106, 123, 89) }
```


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

```
.border{ border-color:rgb(106, 123, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 123, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 123, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 123, 89);  
box-shadow:4px 4px 4px 4px rgb(106, 123,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8300, 17.9514, 12.1345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 123, 89) }
```

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

```
.background{ background-color: rgb(106,  
123, 89) }
```

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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