

Converting Colors

XYZ(14.5735, 17.1829, 16.1842)

Have a look what the booklet for
XYZ(14.5735, 17.1829, 16.1842)
contains.

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Color

**XYZ(14.5735, 17.1829,
16.1842)**

Conversions

Conversions Part 1

Format	Color
Hex	64786A
RGB	100, 120, 106
RGB Percent	39%, 47%, 42%
CMY	0.6078, 0.5294, 0.5843
CMYK	0.17, 0.00, 0.12, 0.53
HSL	138°, 9%, 43%
HSV	138°, 17%, 47%
XYZ	14.5735, 17.1829, 16.1842
YIQ	112.4240, -7.4260, -8.5940

Conversions

Conversions Part 2

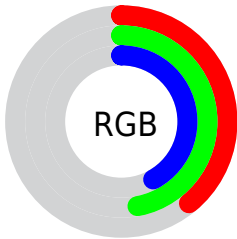
Format	Color
R_{YB}	100, 115, 120
Decimal	6584426
CIE Lab	48.49, -10.36, 5.25
CIE LCh	48, 11.610, 153.138
Yxy	17.1829, 0.3040, 0.3584
Android (android.graphics.Color)	4284774506 (0xFF64786A)
YUV	112.4240, -3.1670, -10.8958
Hunter-Lab	41.4523, -9.7857, 5.8680

Details

The XYZ color **14.5735, 17.1829, 16.1842** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3407, 14.3227, 17.8763**, and the grayscale version is **15.5367, 16.3459, 17.8006**.

A 20% lighter version of the original color is **33.6008, 38.5187, 37.5622**, and **4.5750, 5.7074, 4.9982** is the 20% darker color. If you saturate the color by 10%, you get **12.9271, 16.3827, 13.9375**, and if you desaturate by 10%, it is **16.4592, 18.1025, 18.6663**.

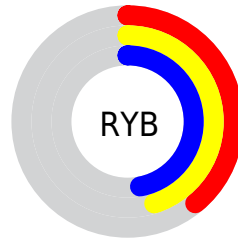
Distribution



Red (39%)

Green (47%)

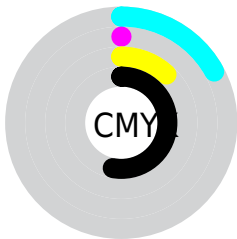
Blue (42%)



Red (39%)

Yellow (45%)

Blue (47%)

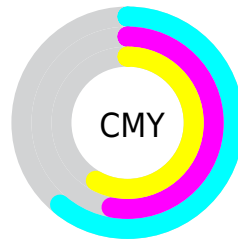


Cyan (17%)

Magenta (0%)

Yellow (12%)

Black (53%)



Cyan (61%)

Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5735, 17.1829, 16.1842 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 14.5735, 17.1829, 16.1842 by changing the saturation by 10% instead.

■ 14.5735, 17.1829,
16.1842

■ 14.5735, 17.1829,
16.1842

214.2100,
236.2242, 242.3089

■ 8.6050, 10.3650,
9.4988

■ 33.6811, 38.6400,
37.6889

■ 4.5395, 5.6416,
4.9667

■ 47.5508, 54.0479,
53.3453

■ 2.0116, 2.6284,
2.1694

■ 64.7850, 73.0880,
72.8292

■ 0.6405, 0.9410,
0.6566

■ 85.7489, 96.1446,
96.5590

■ 0.0000, 0.0000,
0.0000

110.8081,
123.6021, 124.9534

140.3277,

155.8450, 158.4308

174.6732,
193.2575, 197.4098

■ 14.5735, 17.1829,
16.1842

■ 14.5735, 17.1829,
16.1842

■ 12.9271, 16.3827,
13.9375

■ 16.4592, 18.1025,
18.6663

■ 11.5089, 15.6948,
11.9182

■ 18.5919, 19.1439,
21.3891

■ 10.3089, 15.1147,
10.1194

■ 20.9808, 20.3122,
24.3594

■ 9.3157, 14.6368,
8.5337

■ 23.6342, 21.6114,
27.5832

■ 8.5173, 14.2549,
7.1530

■ 26.5599, 23.0456,
31.0665

■ 7.8997, 13.9621,
5.9688

■ 29.7655, 24.6185,
34.8147

■ 7.4476, 13.7506,
4.9720

■ 33.2582, 26.3338,
38.8335

■ 7.1297, 13.6046,
4.1522

■ 37.0451, 28.1948,
43.1282

■ 7.0353, 13.5610,
3.9158

■ 41.1327, 30.2050,
47.7039

Harmonies

Analogous

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



15.2386, 17.1829, 14.2185



14.5735, 17.1829, 16.1842



14.3726, 17.1829, 19.0319

Triad

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



14.5735, 17.1829, 16.1842



16.4441, 17.1829, 25.1922



18.1059, 17.1829, 15.6850

Complementary

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



14.5735, 17.1829, 16.1842



15.3407, 14.3227, 17.8763

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.



18.4615, 17.1829, 18.3903



14.5735, 17.1829, 16.1842



17.4762, 17.1829, 24.0581

Square

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



14.5735, 17.1829, 16.1842



15.4246, 17.1829, 24.4395



18.2262, 17.1829, 21.4842



17.2740, 17.1829, 13.9530

Rectangle

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



14.5735, 17.1829, 16.1842



14.5215, 17.1829, 21.1079



18.2262, 17.1829, 21.4842



18.2867, 17.1829, 16.4996

Sweetspot

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



14.5740, 17.1836, 16.1846



29.4983, 32.1063, 33.5412



16.0003, 17.9537, 14.6788



6.9425, 7.5853, 7.8865



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.



14.5740, 17.1836, 16.1846



24.4762, 29.6590, 26.9059



15.1056, 17.3963, 18.9839



3.9958, 4.4679, 4.5117



7.6689, 14.7912, 4.2411



36.2471, 70.4219, 18.4712

Inverse Universe

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



15.3407, 14.3227, 17.8763



26.0915, 23.6310, 30.4689



14.8191, 14.1140, 15.1291



4.1057, 4.0580, 4.7542



10.1896, 5.0520, 9.5551



48.2157, 23.9426, 43.5277

Previews

White Background



This preview shows how the XYZ color 14.5735, 17.1829, 16.1842 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 14.5735, 17.1829, 16.1842 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

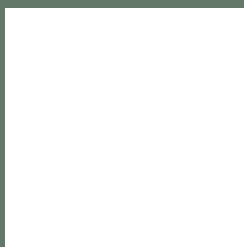
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.5735, 17.1829, 16.1842

Background



This preview shows how black text looks on a background with the XYZ color 14.5735, 17.1829, 16.1842.

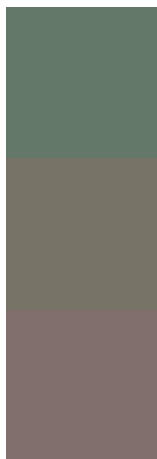


This preview shows how white text looks on a background with the XYZ color 14.5735, 17.1829,

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

14.5735, 17.1829, 16.1842

Protanopia

16.3246, 17.2338, 15.2980

Deuteranopia

17.4445, 17.1187, 16.5722



Tritanopia

15.8361, 17.1720, 22.2185

Trichromacy



Original Color

14.5735, 17.1829, 16.1842

Protanomaly

15.6700, 17.2328, 15.5971

Deuteranomaly

16.1424, 16.9477, 16.3304

Tritanomaly

15.4017, 17.1723, 19.9556

Monochromacy



Original Color

14.5735, 17.1829, 16.1842

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.1295, 16.5754, 17.1538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5735, 17.1829, 16.1842 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(100, 120, 106)` looks like.

```
.text, #text, p{  
    color:rgb(100, 120, 106)  
}
```

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(100, 120, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 120, 106) }
```

Border

The CSS property to change the border of an element to XYZ 14.5735, 17.1829, 16.1842 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(100, 120, 106) }
```


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

```
.border{ border-color:rgb(100, 120, 106) }
```

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

Here you see how a box with a 4 pixel rgb(100, 120, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 120, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 120, 106);  
box-shadow:4px 4px 4px 4px rgb(100, 120,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5735, 17.1829, 16.1842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 120, 106) }
```

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

```
.background{ background-color: rgb(100,  
120, 106) }
```

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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