

Converting Colors

XYZ(16.1787, 19.4027, 29.6816)

Have a look what the booklet for
XYZ(16.1787, 19.4027, 29.6816)
contains.

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Color

**XYZ(16.1855, 19.4071,
29.6809)**

Conversions

Conversions Part 1

Format	Color
Hex	4F8191
RGB	79, 129, 145
RGB Percent	31%, 51%, 57%
CMY	0.6902, 0.4941, 0.4314
CMYK	0.46, 0.11, 0.00, 0.43
HSL	195°, 29%, 44%
HSV	195°, 46%, 57%
XYZ	16.1855, 19.4071, 29.6809
YIQ	115.8740, -34.9360, -5.6240

Conversions

Conversions Part 2

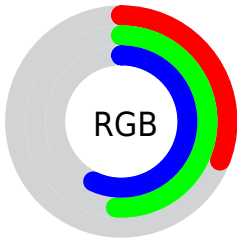
Format	Color
R _Y B	79, 107, 145
Decimal	5210513
CIE _{Lab}	51.16, -12.34, -13.89
CIE _{LCh}	51, 18.579, 228.365
Y _{xy}	19.4071, 0.2480, 0.2973
Android (android.graphics.Color)	4283400593 (0xFF4F8191)
Y _{UV}	115.8740, 14.3591, -32.3385
Hunter-Lab	44.0535, -11.5117, -9.1090

Details

The XYZ color **16.1855, 19.4071, 29.6809** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.1809, 14.7689, 9.3428**, and the grayscale version is **16.5275, 17.3882, 18.9357**.

A 20% lighter version of the original color is **36.5525, 42.4850, 60.3067**, and **5.3351, 6.7702, 11.8521** is the 20% darker color. If you saturate the color by 10%, you get **14.6535, 17.9422, 29.4792**, and if you desaturate by 10%, it is **17.9977, 21.0410, 29.9011**.

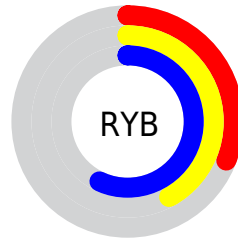
Distribution



Red (31%)

Green (51%)

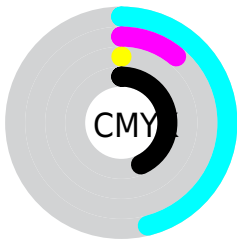
Blue (57%)



Red (31%)

Yellow (42%)

Blue (57%)

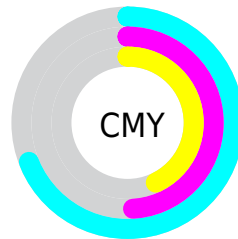


Cyan (46%)

Magenta (11%)

Yellow (0%)

Black (43%)



Cyan (69%)

Magenta (49%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1855, 19.4071, 29.6809 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 16.1855, 19.4071, 29.6809 by changing the saturation by 10% instead.

■ 16.1855, 19.4071,
29.6809

■ 16.1855, 19.4071,
29.6809

■ 223.6828,
248.6871, 314.5751

■ 9.7472, 11.9648,
19.3465

■ 36.4748, 42.4209,
60.2122

■ 5.2926, 6.7197,
11.7416

■ 51.0565, 58.7612,
81.2462

■ 2.4565, 3.2874,
6.4476

■ 69.0834, 78.8362,
106.6838

■ 0.8734, 1.2836,
3.0459

■ 90.9208, 103.0304,
136.9436

■ 0.0000, 0.1284,
1.1181

■ 116.9340,
131.7283, 172.4441

■ 0.0000, 0.0000,
0.0000

147.4886,

165.3140, 213.6038

182.9497,
204.1722, 260.8413

■ 16.1855, 19.4071,
29.6809

■ 16.1855, 19.4071,
29.6809

■ 14.6535, 17.9422,
29.4792

■ 17.9977, 21.0410,
29.9011

■ 13.3826, 16.6348,
29.2939

■ 20.1042, 22.8500,
30.1393

■ 12.3536, 15.4754,
29.1243

■ 22.5203, 24.8428,
30.3966

■ 11.5444, 14.4522,
28.9695

■ 25.2596, 27.0265,
30.6737

■ 10.9235, 13.5488,
28.8278

■ 28.3350, 29.4080,
30.9713

■ 10.6708, 13.1642,
28.7669

■ 31.7584, 31.9937,
31.2899

■ 35.5414, 34.7897,
31.6302

■ 39.6949, 37.8020,
31.9927

■ 44.2294, 41.0361,
32.3780

Harmonies

Analogous

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



15.2764, 19.4071, 24.5004



16.1855, 19.4071, 29.6809



17.7388, 19.4071, 32.7408

Triad

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



16.1855, 19.4071, 29.6809



22.1476, 19.4071, 23.2494



17.3494, 19.4071, 12.8732

Complementary

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



16.1855, 19.4071, 29.6809



17.1809, 14.7689, 9.3428

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.



19.1714, 19.4071, 12.6524



16.1855, 19.4071, 29.6809



22.0259, 19.4071, 18.0857

Square

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



16.1855, 19.4071, 29.6809



21.2296, 19.4071, 28.6345



20.9075, 19.4071, 14.4043



15.9168, 19.4071, 15.0682

Rectangle

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



16.1855, 19.4071, 29.6809



18.9674, 19.4071, 32.8759



20.9075, 19.4071, 14.4043



17.9340, 19.4071, 12.5809

Sweetspot

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



16.1861, 19.4078, 29.6814



40.8991, 44.9494, 54.4940



15.3886, 22.7288, 14.2605



8.8988, 9.8378, 12.1021



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.



16.1861, 19.4078, 29.6814



26.0850, 31.9756, 52.7706



12.5736, 12.1827, 28.4772



5.4510, 5.8979, 6.8799



9.1734, 11.3328, 24.6810



0.1048, 0.1426, 0.2417

Inverse Universe

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



18.4359, 13.1972, 22.3453



30.8132, 19.9279, 37.1278



20.7299, 21.8669, 10.5258



5.5711, 5.4890, 6.5056



12.4334, 6.1304, 13.1996



0.1275, 0.0621, 0.1717

Previews

White Background



This preview shows how the XYZ color 16.1855, 19.4071, 29.6809 looks on a white 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

Black Background



This preview shows how the XYZ color 16.1855, 19.4071, 29.6809 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 16.1855, 19.4071, 29.6809

Background



This preview shows how black text looks on a background with the XYZ color 16.1855, 19.4071, 29.6809.



This preview shows how white text looks on a background with the XYZ color 16.1855, 19.4071,

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

16.1855, 19.4071, 29.6809

Protanopia

18.8479, 19.1486, 27.1288

Deuteranopia

19.6090, 19.2933, 30.2942



Tritanopia

15.8581, 19.4784, 27.7348

Trichromacy



Original Color

16.1855, 19.4071, 29.6809

Protanomaly

17.5996, 19.0321, 27.9453

Deuteranomaly

18.0970, 19.2445, 29.9549

Tritanomaly

16.0070, 19.5380, 28.5187

Monochromacy



Original Color

16.1855, 19.4071, 29.6809

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2617, 18.0906, 22.7134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1855, 19.4071, 29.6809 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(79, 129, 145)` looks like.

```
.text, #text, p{  
    color:rgb(79, 129, 145)  
}
```

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(79, 129, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 129, 145) }
```

Border

The CSS property to change the border of an element to XYZ 16.1855, 19.4071, 29.6809 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(79, 129, 145) }
```


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

```
.border{ border-color:rgb(79, 129, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 129, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 129, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 129, 145);  
box-shadow:4px 4px 4px 4px rgb(79, 129,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1855, 19.4071, 29.6809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 129, 145) }
```

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

```
.background{ background-color: rgb(79, 129,  
145) }
```

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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