

Converting Colors

XYZ(16.4789, 20.3559, 29.8486)

Have a look what the booklet for
XYZ(16.4789, 20.3559, 29.8486)
contains.

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Color

**XYZ(16.4789, 20.3559,
29.8486)**

Conversions

Conversions Part 1

Format	Color
Hex	4C8591
RGB	76, 133, 145
RGB Percent	30%, 52%, 57%
CMY	0.7019, 0.4784, 0.4314
CMYK	0.48, 0.08, 0.00, 0.43
HSL	190°, 31%, 43%
HSV	190°, 48%, 57%
XYZ	16.4789, 20.3559, 29.8486
YIQ	117.3250, -37.8240, -8.3520

Conversions

Conversions Part 2

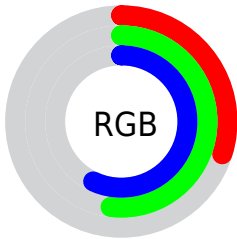
Format	Color
R_{YB}	76, 107, 145
Decimal	5014929
CIE _{Lab}	52.24, -15.32, -12.27
CIE _{LCh}	52, 19.630, 218.694
Yxy	20.3559, 0.2471, 0.3053
Android (android.graphics.Color)	4283205009 (0xFF4C8591)
YUV	117.3250, 13.6438, -36.2420
Hunter-Lab	45.1175, -13.7596, -7.6425

Details

The XYZ color **16.4789, 20.3559, 29.8486** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.4718, 13.5215, 8.5799**, and the grayscale version is **16.9773, 17.8614, 19.4511**.

A 20% lighter version of the original color is **36.9210, 43.9085, 60.5621**, and **5.4274, 7.1512, 11.9207** is the 20% darker color. If you saturate the color by 10%, you get **15.1132, 19.1460, 29.6874**, and if you desaturate by 10%, it is **18.1138, 21.7179, 30.0257**.

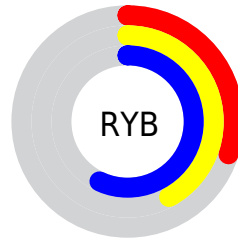
Distribution



Red (30%)

Green (52%)

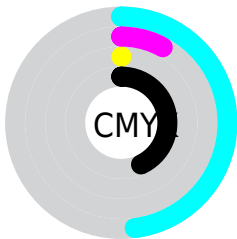
Blue (57%)



Red (30%)

Yellow (42%)

Blue (57%)

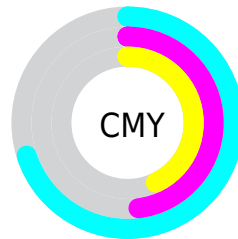


Cyan (48%)

Magenta (8%)

Yellow (0%)

Black (43%)



Cyan (70%)

Magenta (48%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4789, 20.3559, 29.8486 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 16.4789, 20.3559, 29.8486 by changing the saturation by 10% instead.

■ 16.4789, 20.3559,
29.8486

■ 16.4789, 20.3559,
29.8486

■ 225.3665,
253.8353, 315.3834

■ 9.9567, 12.6540,
19.4726

■ 36.9784, 44.0131,
60.4808

■ 5.4323, 7.1907,
11.8320

■ 51.6864, 60.7372,
81.5742

■ 2.5404, 3.5817,
6.5083

■ 69.8536, 81.2374,
107.0771

■ 0.9157, 1.4424,
3.0828

■ 91.8455, 105.8983,
137.4080

■ 0.0000, 0.2477,
1.1371

■ 118.0274,
135.1041, 172.9856

■ 0.0000, 0.0000,
0.0000

148.7646,

169.2393, 214.2283

184.4225,
208.6882, 261.5547

■ 16.4789, 20.3559,
29.8486

■ 16.4789, 20.3559,
29.8486

■ 15.1132, 19.1460,
29.6874

■ 18.1138, 21.7179,
30.0257

■ 13.9972, 18.0765,
29.5398

■ 20.0321, 23.2378,
30.2180

■ 13.1115, 17.1378,
29.4053

■ 22.2492, 24.9244,
30.4266

■ 12.4330, 16.3181,
29.2828

■ 24.7788, 26.7845,
30.6524

■ 11.9188, 15.5950,
29.1704

■ 27.6339, 28.8251,
30.8958

■ 11.8016, 15.4257,
29.1439

■ 30.8266, 31.0525,
31.1574

■ 34.3684, 33.4726,
31.4379

■ 38.2701, 36.0912,
31.7376

■ 42.5424, 38.9137,
32.0573

Harmonies

Analogous

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



15.7654, 20.3559, 23.8838



16.4789, 20.3559, 29.8486



17.9740, 20.3559, 34.1903

Triad

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



16.4789, 20.3559, 29.8486



23.1858, 20.3559, 26.4446



18.7680, 20.3559, 12.9065

Complementary

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



16.4789, 20.3559, 29.8486



16.4718, 13.5215, 8.5799

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.



20.7896, 20.3559, 13.3514



16.4789, 20.3559, 29.8486



23.4352, 20.3559, 20.5290

Square

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



16.4789, 20.3559, 29.8486



21.8719, 20.3559, 31.9999



22.5314, 20.3559, 15.9266



17.0255, 20.3559, 14.5836

Rectangle

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



16.4789, 20.3559, 29.8486



19.2595, 20.3559, 35.2088



22.5314, 20.3559, 15.9266



19.4361, 20.3559, 12.8198

Sweetspot

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



16.4795, 20.3567, 29.8491



41.2729, 45.6970, 54.6187



14.8473, 22.4841, 12.6823



8.9927, 10.0257, 12.1334



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.



16.4795, 20.3567, 29.8491



26.9321, 34.1644, 53.1485



12.5538, 12.5052, 28.5405



5.4816, 5.9590, 6.8900



10.1391, 13.2642, 25.0029



0.1105, 0.1540, 0.2436

Inverse Universe

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



18.4957, 12.8827, 23.7029



31.1201, 19.5884, 40.1687



19.9416, 20.4612, 9.7365



5.5866, 5.4952, 6.5868



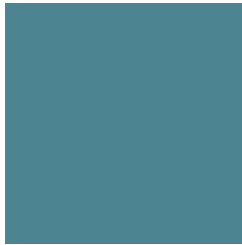
12.9209, 6.3254, 15.7664



0.1304, 0.0632, 0.1868

Previews

White Background



This preview shows how the XYZ color 16.4789, 20.3559, 29.8486 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 16.4789, 20.3559, 29.8486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

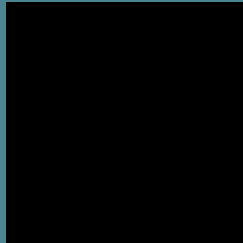
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4789, 20.3559, 29.8486

Background



This preview shows how black text looks on a background with the XYZ color 16.4789, 20.3559, 29.8486.



This preview shows how white text looks on a background with the XYZ color 16.4789, 20.3559,

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

16.4789, 20.3559, 29.8486

Protanopia

19.7692, 20.1676, 27.2769

Deuteranopia

20.6401, 20.1728, 30.8229



Tritanopia

16.4021, 20.3252, 29.4442

Trichromacy



Original Color

16.4789, 20.3559, 29.8486

Protanomaly

18.2228, 20.1051, 28.1195

Deuteranomaly

18.6635, 19.8996, 30.4611

Tritanomaly

16.4021, 20.3252, 29.4442

Monochromacy



Original Color

16.4789, 20.3559, 29.8486

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.3932, 18.5230, 22.7900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4789, 20.3559, 29.8486 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(76, 133, 145)` looks like.

```
.text, #text, p{  
    color:rgb(76, 133, 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(76, 133, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 133, 145) }
```

Border

The CSS property to change the border of an element to XYZ 16.4789, 20.3559, 29.8486 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(76, 133, 145) }
```


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

```
.border{ border-color:rgb(76, 133, 145) }
```

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

Here you see how a box with a 4 pixel rgb(76, 133, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 133, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 133, 145);  
box-shadow:4px 4px 4px 4px rgb(76, 133,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4789, 20.3559, 29.8486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 133, 145) }
```

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

```
.background{ background-color: rgb(76, 133,  
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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