

Converting Colors

XYZ(16.7444, 18.8670, 30.7349)

Have a look what the booklet for
XYZ(16.7444, 18.8670, 30.7349)
contains.

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Color

**XYZ(16.7987, 18.9292,
30.7853)**

Conversions

Conversions Part 1

Format	Color
Hex	597D94
RGB	89, 125, 148
RGB Percent	35%, 49%, 58%
CMY	0.6510, 0.5098, 0.4196
CMYK	0.40, 0.16, 0.00, 0.42
HSL	203°, 25%, 46%
HSV	203°, 40%, 58%
XYZ	16.7987, 18.9292, 30.7853
YIQ	116.8580, -28.8390, -0.4790

Conversions

Conversions Part 2

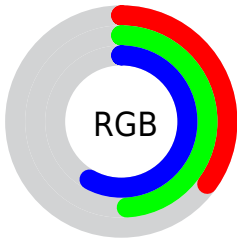
Format	Color
R _Y B	89, 111, 148
Decimal	5864852
CIE Lab	50.60, -6.49, -16.43
CIE LCh	51, 17.668, 248.446
Yxy	18.9292, 0.2526, 0.2846
Android (android.graphics.Color)	4284054932 (0xFF597D94)
YUV	116.8580, 15.3530, -24.4315
Hunter-Lab	43.5077, -7.2181, -11.4972

Details

The XYZ color **16.7987, 18.9292, 30.7853** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.8104, 18.6057, 11.9988**, and the grayscale version is **16.8254, 17.7017, 19.2771**.

A 20% lighter version of the original color is **37.5656, 41.7678, 61.9592**, and **5.5414, 6.4440, 12.2610** is the 20% darker color. If you saturate the color by 10%, you get **14.8096, 16.8512, 30.4894**, and if you desaturate by 10%, it is **19.1170, 21.2407, 31.1096**.

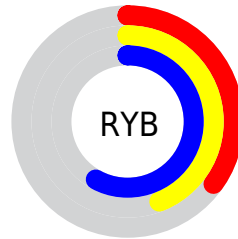
Distribution



Red (35%)

Green (49%)

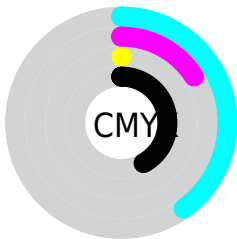
Blue (58%)



Red (35%)

Yellow (44%)

Blue (58%)

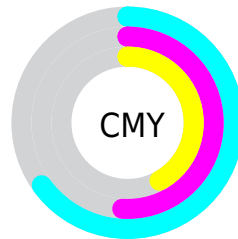


Cyan (40%)

Magenta (16%)

Yellow (0%)

Black (42%)



Cyan (65%)

Magenta (51%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7987, 18.9292, 30.7853 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 16.7987, 18.9292, 30.7853 by changing the saturation by 10% instead.

■ 16.7987, 18.9292,
30.7853

■ 16.7987, 18.9292,
30.7853

227.1886,
246.0576, 319.8685

■ 10.1855, 11.6191,
20.1783

■ 37.5257, 41.6144,
61.9775

■ 5.5853, 6.4849,
12.3394

■ 52.3702, 57.7584,
83.3998

■ 2.6329, 3.1421,
6.8499

■ 70.6892, 77.6157,
109.2643

■ 0.9627, 1.2064,
3.2914

■ 92.8480, 101.5709,
139.9895

■ 0.0000, 0.0669,
1.2453

119.2120,
130.0083, 175.9940

■ 0.0000, 0.0000,
0.0163

150.1465,

■ 0.0000, 0.0000,

163.3123, 217.6963

0.0000

186.0169,
201.8673, 265.5149

■ 16.7987, 18.9292,
30.7853

■ 16.7987, 18.9292,
30.7853

■ 14.8096, 16.8512,
30.4894

■ 19.1170, 21.2407,
31.1096

■ 13.1299, 14.9943,
30.2195

■ 21.7792, 23.7931,
31.4620

■ 11.7405, 13.3479,
29.9749

■ 24.8011, 26.5959,
31.8437

■ 10.6191, 11.8993,
29.7544

■ 28.1971, 29.6577,
32.2557

■ 9.7395, 10.6340,
29.5566

■ 31.9808, 32.9862,
32.6987

■ 9.0368, 9.5172,
29.3780

■ 36.1648, 36.5891,
33.1736

■ 9.0276, 9.5026,
29.3757

■ 40.7616, 40.4736,
33.6811

■ 45.7826, 44.6466,
34.2220

■ 51.2392, 49.1147,
34.7968

Harmonies

Analogous

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



15.5134, 18.9292, 27.1098



16.7987, 18.9292, 30.7853



18.4840, 18.9292, 31.5256

Triad

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



16.7987, 18.9292, 30.7853



21.4815, 18.9292, 19.2447



16.0042, 18.9292, 14.0217

Complementary

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



16.7987, 18.9292, 30.7853



19.8104, 18.6057, 11.9988

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.



17.5081, 18.9292, 12.5600



16.7987, 18.9292, 30.7853



20.7206, 18.9292, 15.2433

Square

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



16.7987, 18.9292, 30.7853



21.2613, 18.9292, 24.3068



19.2398, 18.9292, 12.9684



15.0756, 18.9292, 17.3096

Rectangle

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



16.7987, 18.9292, 30.7853



19.6208, 18.9292, 30.1580



19.2398, 18.9292, 12.9684



16.4553, 18.9292, 13.3265

Sweetspot

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



16.7993, 18.9299, 30.7857



42.4342, 45.7109, 56.0211



17.6135, 24.4654, 19.0120



9.5434, 10.3026, 12.7704



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.7993, 18.9299, 30.7857



26.4253, 30.0485, 53.8418



13.6378, 12.6069, 29.7319



5.7762, 6.1864, 7.3594



7.7378, 8.1705, 25.1003



0.1234, 0.1575, 0.3168

Inverse Universe

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



19.4873, 14.9218, 21.2559



32.0089, 22.5002, 33.8715



23.5584, 26.1017, 13.2481



5.9405, 5.8713, 6.7927



12.0328, 6.0182, 8.9196



0.1618, 0.0795, 0.1855

Previews

White Background



This preview shows how the XYZ color 16.7987, 18.9292, 30.7853 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 16.7987, 18.9292, 30.7853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

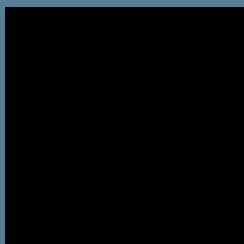
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

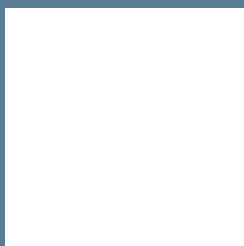
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7987, 18.9292, 30.7853

Background



This preview shows how black text looks on a background with the XYZ color 16.7987, 18.9292, 30.7853.



This preview shows how white text looks on a background with the XYZ color 16.7987, 18.9292,

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

16.7987, 18.9292, 30.7853

Protanopia

18.7011, 18.8521, 29.0387

Deuteranopia

19.3196, 18.9408, 31.4918



Tritanopia

15.9425, 18.9633, 26.4869

Trichromacy



Original Color

16.7987, 18.9292, 30.7853

Protanomaly

17.8921, 18.7832, 29.4706

Deuteranomaly

18.3256, 18.9705, 31.1296

Tritanomaly

16.1991, 18.8710, 27.9880

Monochromacy



Original Color

16.7987, 18.9292, 30.7853

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.6762, 18.1173, 23.0401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7987, 18.9292, 30.7853 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(89, 125, 148)` looks like.

```
.text, #text, p{  
    color:rgb(89, 125, 148)  
}
```

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(89, 125, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 125, 148) }
```

Border

The CSS property to change the border of an element to XYZ 16.7987, 18.9292, 30.7853 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(89, 125, 148) }
```


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

```
.border{ border-color:rgb(89, 125, 148) }
```

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

Here you see how a box with a 4 pixel rgb(89, 125, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 125, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 125, 148);  
box-shadow:4px 4px 4px 4px rgb(89, 125,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7987, 18.9292, 30.7853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 125, 148) }
```

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

```
.background{ background-color: rgb(89, 125,  
148) }
```

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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