

Converting Colors

XYZ(17.0283, 18.6539, 34.1825)

Have a look what the booklet for
XYZ(17.0283, 18.6539, 34.1825)
contains.

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Color

**XYZ(17.0142, 18.5925,
34.1444)**

Conversions

Conversions Part 1

Format	Color
Hex	577B9C
RGB	87, 123, 156
RGB Percent	34%, 48%, 61%
CMY	0.6588, 0.5176, 0.3882
CMYK	0.44, 0.21, 0.00, 0.39
HSL	209°, 28%, 48%
HSV	209°, 44%, 61%
XYZ	17.0142, 18.5925, 34.1444
YIQ	115.9980, -32.0490, 2.6310

Conversions

Conversions Part 2

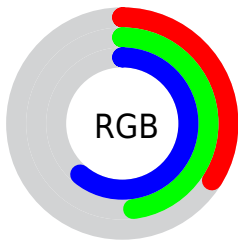
Format	Color
R _Y B	87, 111, 156
Decimal	5733276
CIE Lab	50.21, -3.58, -21.73
CIE LCh	50, 22.022, 260.635
Yxy	18.5925, 0.2439, 0.2666
Android (android.graphics.Color)	4283923356 (0xFF577B9C)
YUV	115.9980, 19.7210, -25.4312
Hunter-Lab	43.1190, -5.0245, -16.7663

Details

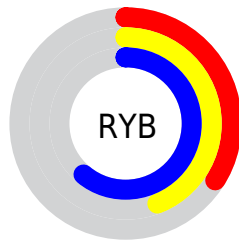
The XYZ color **17.0142, 18.5925, 34.1444** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.1475, 21.1894, 11.9401**, and the grayscale version is **16.5489, 17.4107, 18.9603**.

A 20% lighter version of the original color is **37.9031, 40.9385, 67.5322**, and **5.6917, 6.2748, 14.2758** is the 20% darker color. If you saturate the color by 10%, you get **14.8217, 16.1406, 33.7870**, and if you desaturate by 10%, it is **19.5933, 21.3492, 34.5409**.

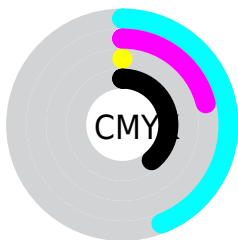
Distribution



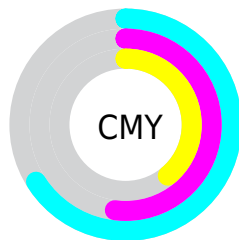
- Red (34%)
- Green (48%)
- Blue (61%)



- Red (34%)
- Yellow (44%)
- Blue (61%)



- Cyan (44%)
- Magenta (21%)
- Yellow (0%)
- Black (39%)



- Cyan (66%)
- Magenta (52%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0142, 18.5925, 34.1444 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 17.0142, 18.5925, 34.1444 by changing the saturation by 10% instead.

■ 17.0142, 18.5925,
34.1444

■ 17.0142, 18.5925,
34.1444

228.4088,
244.1898, 335.5642

■ 10.3400, 11.3762,
22.7263

■ 37.8936, 41.0444,
67.2946

■ 5.6889, 6.3205,
14.1881

■ 52.8295, 57.0487,
89.8638

■ 2.6957, 3.0409,
8.1114

■ 71.2500, 76.7513,
116.9871

■ 0.9950, 1.1531,
4.0775

■ 93.5204, 100.5363,
149.0831

■ 0.0000, 0.0229,
1.6680

120.0062,
128.7883, 186.5702

■ 0.0000, 0.0000,
0.3386

151.0726,

■ 0.0000, 0.0000,

161.8916, 229.8671

0.0000

187.0850,
200.2306, 279.3923

■ 17.0142, 18.5925,
34.1444

■ 17.0142, 18.5925,
34.1444

■ 14.8217, 16.1406,
33.7870

■ 19.5933, 21.3492,
34.5409

■ 12.9918, 13.9776,
33.4660

■ 22.5772, 24.4212,
34.9766

■ 11.5007, 12.0893,
33.1801

■ 25.9853, 27.8211,
35.4532

■ 10.3203, 10.4587,
32.9276

■ 29.8349, 31.5598,
35.9720

■ 9.4173, 9.0659,
32.7063

■ 34.1425, 35.6479,
36.5340

■ 8.9725, 8.3438,
32.5904

■ 38.9236, 40.0955,
37.1405

■ 44.1931, 44.9121,
37.7924

■ 49.9649, 50.1068,
38.4909

■ 56.2526, 55.6885,
39.2369

Harmonies

Analogous

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



15.2017, 18.5925, 30.7204



17.0142, 18.5925, 34.1444



19.1529, 18.5925, 33.3076

Triad

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



17.0142, 18.5925, 34.1444



21.7833, 18.5925, 16.3895



14.6937, 18.5925, 13.6850

Complementary

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



17.0142, 18.5925, 34.1444



22.1475, 21.1894, 11.9401

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.



16.2688, 18.5925, 11.1398



17.0142, 18.5925, 34.1444



20.3955, 18.5925, 12.4698

Square

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



17.0142, 18.5925, 34.1444



22.0233, 18.5925, 22.2112



18.3457, 18.5925, 10.7447



13.9346, 18.5925, 18.3967

Rectangle

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



17.0142, 18.5925, 34.1444



20.4720, 18.5925, 30.5007



18.3457, 18.5925, 10.7447



15.1390, 18.5925, 12.5909

Sweetspot

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



17.0148, 18.5932, 34.1448



47.8400, 51.1631, 64.4808



19.1613, 27.1403, 21.7451



10.2267, 10.9627, 14.1474



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



17.0148, 18.5932, 34.1448



26.9859, 29.3911, 61.3775



13.5292, 11.6220, 32.9830



6.5567, 6.9791, 8.4082



7.4255, 6.9424, 26.8559



0.1750, 0.2086, 0.4943

Inverse Universe

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



20.6942, 15.3150, 20.6050



34.7652, 23.4578, 32.5265



26.9371, 30.7687, 13.5367



6.7703, 6.7011, 7.6417



12.5462, 6.3231, 7.1274



0.2457, 0.1216, 0.2398

Previews

White Background



This preview shows how the XYZ color 17.0142, 18.5925, 34.1444 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 17.0142, 18.5925, 34.1444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

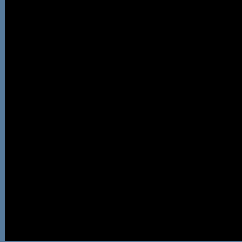
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.0142, 18.5925, 34.1444

Background



This preview shows how black text looks on a background with the XYZ color 17.0142, 18.5925, 34.1444.

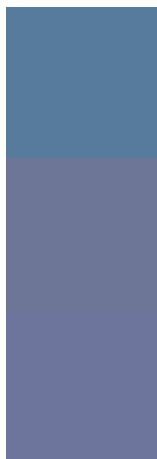


This preview shows how white text looks on a background with the XYZ color 17.0142, 18.5925,

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

17.0142, 18.5925, 34.1444

Protanopia

18.5763, 18.5389, 32.3050

Deuteranopia

18.8775, 18.4719, 34.4688



Tritanopia

15.3696, 18.4772, 26.4233

Trichromacy



Original Color

17.0142, 18.5925, 34.1444

Protanomaly

17.9457, 18.5576, 32.7731

Deuteranomaly

18.1621, 18.4528, 34.5028

Tritanomaly

15.9349, 18.5198, 29.1204

Monochromacy



Original Color

17.0142, 18.5925, 34.1444

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5193, 17.8356, 24.0447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0142, 18.5925, 34.1444 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(87, 123, 156)` looks like.

```
.text, #text, p{  
    color:rgb(87, 123, 156)  
}
```

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(87, 123, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 123, 156) }
```

Border

The CSS property to change the border of an element to XYZ 17.0142, 18.5925, 34.1444 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(87, 123, 156) }
```


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

```
.border{ border-color:rgb(87, 123, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 123, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 123, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 123, 156);  
box-shadow:4px 4px 4px 4px rgb(87, 123,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0142, 18.5925, 34.1444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 123, 156) }
```

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

```
.background{ background-color: rgb(87, 123,  
156) }
```

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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