

Converting Colors

XYZ(16.5022, 18.9923, 29.5842)

Have a look what the booklet for
XYZ(16.5022, 18.9923, 29.5842)
contains.

XYZ(16.5022, 18.9923, 29.5842)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.5022, 18.9923,
29.5842)**

Conversions

Conversions Part 1

Format	Color
Hex	577E91
RGB	87, 126, 145
RGB Percent	34%, 49%, 57%
CMY	0.6588, 0.5059, 0.4314
CMYK	0.40, 0.13, 0.00, 0.43
HSL	200°, 25%, 45%
HSV	200°, 40%, 57%
XYZ	16.5022, 18.9923, 29.5842
YIQ	116.5050, -29.3430, -2.3590

Conversions

Conversions Part 2

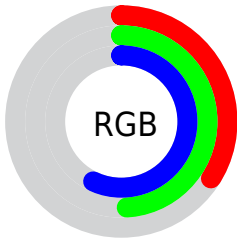
Format	Color
R _Y B	87, 110, 145
Decimal	5734033
CIE Lab	50.68, -8.47, -14.58
CIE LCh	51, 16.858, 239.838
Yxy	18.9923, 0.2536, 0.2918
Android (android.graphics.Color)	4283924113 (0xFF577E91)
YUV	116.5050, 14.0480, -25.8759
Hunter-Lab	43.5802, -8.6739, -9.7427

Details

The XYZ color **16.5022, 18.9923, 29.5842** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5518, 17.0163, 11.3241**, and the grayscale version is **16.7207, 17.5915, 19.1571**.

A 20% lighter version of the original color is **37.0764, 41.8527, 60.1571**, and **5.4470, 6.5090, 11.7958** is the 20% darker color. If you saturate the color by 10%, you get **14.6891, 17.1777, 29.3298**, and if you desaturate by 10%, it is **18.6173, 21.0063, 29.8618**.

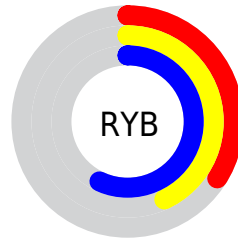
Distribution



Red (34%)

Green (49%)

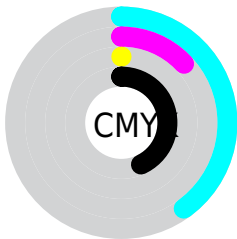
Blue (57%)



Red (34%)

Yellow (43%)

Blue (57%)

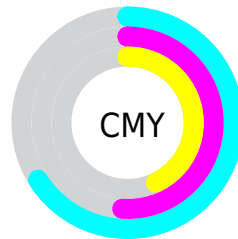


Cyan (40%)

Magenta (13%)

Yellow (0%)

Black (43%)



Cyan (66%)

Magenta (51%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5022, 18.9923, 29.5842 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 16.5022, 18.9923, 29.5842 by changing the saturation by 10% instead.

■ 16.5022, 18.9923,
29.5842

■ 16.5022, 18.9923,
29.5842

225.4997,
246.4063, 314.1082

■ 9.9733, 11.6647,
19.2738

■ 37.0183, 41.7211,
60.0572

■ 5.4434, 6.5158,
11.6895

■ 51.7363, 57.8911,
81.0569

■ 2.5471, 3.1612,
6.4127

■ 69.9146, 77.7773,
106.4568

■ 0.9191, 1.2165,
3.0248

■ 91.9187, 101.7642,
136.6755

■ 0.0000, 0.0751,
1.1073

■ 118.1139,
130.2362, 172.1314

■ 0.0000, 0.0000,
0.0000

148.8656,

163.5776, 213.2431

184.5391,
202.1728, 260.4292

■ 16.5022, 18.9923,
29.5842

■ 16.5022, 18.9923,
29.5842

■ 14.6891, 17.1777,
29.3298

■ 18.6173, 21.0063,
29.8618

■ 13.1595, 15.5510,
29.0965

■ 21.0479, 23.2259,
30.1621

■ 11.8953, 14.1028,
28.8836

■ 23.8091, 25.6599,
30.4864

■ 10.8757, 12.8216,
28.6900

■ 26.9142, 28.3157,
30.8354

■ 10.0762, 11.6944,
28.5146

■ 30.3757, 31.2003,
31.2097

■ 9.4323, 10.6871,
28.3541

■ 34.2057, 34.3204,
31.6101

■ 9.4322, 10.6869,
28.3541

■ 38.4155, 37.6825,
32.0371

■ 43.0161, 41.2926,
32.4915

■ 48.0177, 45.1566,
32.9737

Harmonies

Analogous

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



15.4341, 18.9923, 25.5439



16.5022, 18.9923, 29.5842



18.0426, 18.9923, 31.1756

Triad

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



16.5022, 18.9923, 29.5842



21.4180, 18.9923, 20.7051



16.5168, 18.9923, 13.7494

Complementary

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



16.5022, 18.9923, 29.5842



18.5518, 17.0163, 11.3241

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.



18.0606, 18.9923, 12.8511



16.5022, 18.9923, 29.5842



20.9495, 18.9923, 16.4753

Square

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



16.5022, 18.9923, 29.5842



20.9396, 18.9923, 25.5952



19.6951, 18.9923, 13.7690



15.4421, 18.9923, 16.4371

Rectangle

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



16.5022, 18.9923, 29.5842



19.1512, 18.9923, 30.4712



19.6951, 18.9923, 13.7690



16.9949, 18.9923, 13.2482

Sweetspot

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



16.5028, 18.9930, 29.5846



41.4718, 44.9369, 54.4614



16.6251, 23.3050, 17.0863



9.0997, 9.8862, 12.1008



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.



16.5028, 18.9930, 29.5846



26.6064, 31.0712, 52.5686



13.3753, 12.7381, 28.5422



5.4134, 5.8226, 6.8673



8.1145, 9.2149, 24.3281



0.0977, 0.1284, 0.2393

Inverse Universe

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



18.8517, 14.3431, 21.5144



31.5518, 22.0433, 35.4063



21.9737, 23.8601, 12.4647



5.5521, 5.4814, 6.4056



11.8989, 5.9166, 10.3850



0.1239, 0.0606, 0.1529

Previews

White Background



This preview shows how the XYZ color 16.5022, 18.9923, 29.5842 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 16.5022, 18.9923, 29.5842 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

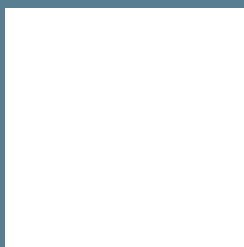
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.5022, 18.9923, 29.5842

Background



This preview shows how black text looks on a background with the XYZ color 16.5022, 18.9923, 29.5842.

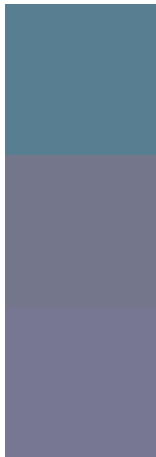


This preview shows how white text looks on a background with the XYZ color 16.5022, 18.9923,

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

16.5022, 18.9923, 29.5842

Protanopia

18.5329, 18.8001, 27.4629

Deuteranopia

19.3526, 18.9854, 30.2483



Tritanopia

15.8510, 18.9162, 26.4827

Trichromacy



Original Color

16.5022, 18.9923, 29.5842

Protanomaly

17.6677, 18.8753, 28.3033

Deuteranomaly

18.0891, 18.8759, 29.8841

Tritanomaly

16.1607, 19.0506, 27.6363

Monochromacy



Original Color

16.5022, 18.9923, 29.5842

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.4911, 18.0294, 22.6895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5022, 18.9923, 29.5842 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, 126, 145)` looks like.

```
.text, #text, p{  
    color:rgb(87, 126, 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(87, 126, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 126, 145) }
```

Border

The CSS property to change the border of an element to XYZ 16.5022, 18.9923, 29.5842 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, 126, 145) }
```


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

```
.border{ border-color:rgb(87, 126, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 126, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 126, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 126, 145);  
box-shadow:4px 4px 4px 4px rgb(87, 126,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5022, 18.9923, 29.5842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 126, 145) }
```

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

```
.background{ background-color: rgb(87, 126,  
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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor