

Converting Colors

XYZ(16.4259, 23.3366, 15.5758)

Have a look what the booklet for
XYZ(16.4259, 23.3366, 15.5758)
contains.

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Color

**XYZ(16.3561, 23.1971,
15.6720)**

Conversions

Conversions Part 1

Format	Color
Hex	579164
RGB	87, 145, 100
RGB Percent	34%, 57%, 39%
CMY	0.6588, 0.4314, 0.6078
CMYK	0.40, 0.00, 0.31, 0.43
HSL	133°, 25%, 45%
HSV	133°, 40%, 57%
XYZ	16.3561, 23.1971, 15.6720
YIQ	122.5280, -20.1230, -26.2910

Conversions

Conversions Part 2

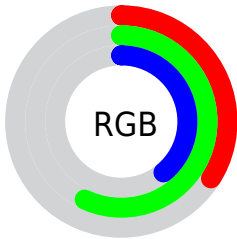
Format	Color
RYB	87, 134, 145
Decimal	5738852
CIELab	55.27, -29.11, 18.07
CIELCh	55, 34.263, 148.163
Yxy	23.1971, 0.2962, 0.4200
Android (android.graphics.Color)	4283928932 (0xFF579164)
YUV	122.5280, -11.1063, -31.1581
Hunter-Lab	48.1634, -23.6680, 14.4218

Details

The XYZ color **16.3561, 23.1971, 15.6720** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.2508, 14.5025, 23.6153**, and the grayscale version is **18.7120, 19.6864, 21.4385**.

A 20% lighter version of the original color is **36.6568, 48.5702, 36.7211**, and **5.3729, 8.6375, 4.7522** is the 20% darker color. If you saturate the color by 10%, you get **14.6285, 22.3658, 12.9425**, and if you desaturate by 10%, it is **18.4321, 24.2006, 18.8114**.

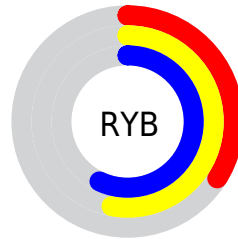
Distribution



Red (34%)

Green (57%)

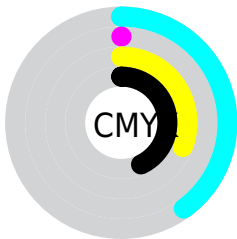
Blue (39%)



Red (34%)

Yellow (53%)

Blue (57%)

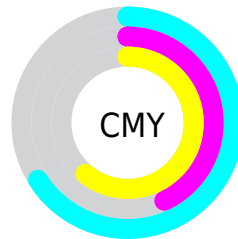


Cyan (40%)

Magenta (0%)

Yellow (31%)

Black (43%)



Cyan (66%)

Magenta (43%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3561, 23.1971, 15.6720 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 16.3561, 23.1971, 15.6720 by changing the saturation by 10% instead.

■ 16.3561, 23.1971,
15.6720

■ 16.3561, 23.1971,
15.6720

224.6632,
268.7357, 239.1777

■ 9.8689, 14.7391,
9.1405

■ 36.7678, 48.7168,
36.7867

■ 5.3737, 8.6365,
4.7349

■ 51.4230, 66.5472,
52.2069

■ 2.5052, 4.5049,
2.0366

■ 69.5317, 88.2706,
71.4272

■ 0.8979, 1.9598,
0.5776

■ 91.4590, 114.2714,
94.8660

■ 0.0000, 0.5840,
0.0000

117.5705,
144.9339, 122.9420

■ 0.0000, 0.0000,
0.0000

148.2315,

180.6425, 156.0735

183.8073,
221.7817, 194.6792

■ 16.3561, 23.1971,
15.6720

■ 16.3561, 23.1971,
15.6720

■ 14.6285, 22.3658,
12.9425

■ 18.4321, 24.2006,
18.8114

■ 13.2281, 21.6941,
10.6045

■ 20.8725, 25.3824,
22.3750

■ 12.1340, 21.1724,
8.6403


■ 23.6947, 26.7516,
26.3784


■ 11.3221, 20.7887,
7.0304


■ 26.9142, 28.3160,
30.8359


■ 10.7647, 20.5290,
5.7535


■ 30.5459, 30.0829,
35.7613

 10.3934, 20.3587,
4.7843

 34.6036, 32.0593,
41.1675

 39.1007, 34.2517,
47.0673

 44.0499, 36.6664,
53.4726

 49.4634, 39.3096,
60.3951

Harmonies

Analogous

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



18.7464, 23.1971, 10.8353



16.3561, 23.1971, 15.6720



15.4664, 23.1971, 24.5866

Triad

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



16.3561, 23.1971, 15.6720



21.8126, 23.1971, 52.8049



29.2121, 23.1971, 16.5408

Complementary

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



16.3561, 23.1971, 15.6720



19.2508, 14.5025, 23.6153

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.



30.2737, 23.1971, 25.9409



16.3561, 23.1971, 15.6720



25.7164, 23.1971, 48.8367

Square

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



16.3561, 23.1971, 15.6720



18.3813, 23.1971, 47.7933



28.9278, 23.1971, 38.1216



26.1729, 23.1971, 11.2250

Rectangle

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



16.3561, 23.1971, 15.6720



15.7554, 23.1971, 32.4325



28.9278, 23.1971, 38.1216



29.8265, 23.1971, 19.2277

Sweetspot

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



16.3567, 23.1981, 15.6725



41.2340, 47.3246, 45.5551



21.4302, 25.8805, 12.8830



9.0436, 10.4651, 9.9517



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.



16.3567, 23.1981, 15.6725



26.4789, 40.1880, 23.6339



17.9902, 23.8515, 24.2746



5.3893, 6.0480, 6.0160



8.9230, 17.4651, 4.1488



0.0924, 0.1698, 0.0771

Inverse Universe

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



19.2508, 14.5025, 23.6153



32.3963, 22.3811, 39.8532



17.5559, 13.8246, 14.6898



5.5752, 5.4906, 6.5272



12.5583, 6.1803, 13.8573



0.1283, 0.0624, 0.1757

Previews

White Background



This preview shows how the XYZ color 16.3561, 23.1971, 15.6720 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 16.3561, 23.1971, 15.6720 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 16.3561, 23.1971, 15.6720

Background



This preview shows how black text looks on a background with the XYZ color 16.3561, 23.1971, 15.6720.



This preview shows how white text looks on a background with the XYZ color 16.3561, 23.1971,

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

16.3561, 23.1971, 15.6720

Protanopia

21.4270, 23.0615, 13.9117

Deuteranopia

23.2860, 22.7912, 16.2685



Tritanopia

19.7746, 23.2639, 32.3023

Trichromacy



Original Color

16.3561, 23.1971, 15.6720

Protanomaly

19.0830, 22.8734, 14.4756

Deuteranomaly

20.0416, 22.5002, 16.1186

Tritanomaly

18.3058, 23.0954, 25.3228

Monochromacy



Original Color

16.3561, 23.1971, 15.6720

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.6412, 20.7854, 19.3018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3561, 23.1971, 15.6720 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, 145, 100)` looks like.

```
.text, #text, p{  
    color:rgb(87, 145, 100)  
}
```

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, 145, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 145, 100) }
```

Border

The CSS property to change the border of an element to XYZ 16.3561, 23.1971, 15.6720 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, 145, 100) }
```


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

```
.border{ border-color:rgb(87, 145, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 145, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 145, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 145, 100);  
box-shadow:4px 4px 4px 4px rgb(87, 145,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3561, 23.1971, 15.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 145, 100) }
```

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

```
.background{ background-color: rgb(87, 145,  
100) }
```

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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