

Converting Colors

XYZ(16.8671, 23.1359, 30.3647)

Have a look what the booklet for
XYZ(16.8671, 23.1359, 30.3647)
contains.

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Color

**XYZ(16.8671, 23.1359,
30.3647)**

Conversions

Conversions Part 1

Format	Color
Hex	389191
RGB	56, 145, 145
RGB Percent	22%, 57%, 57%
CMY	0.7804, 0.4314, 0.4314
CMYK	0.61, 0.00, 0.00, 0.43
HSL	180°, 44%, 39%
HSV	180°, 61%, 57%
XYZ	16.8671, 23.1359, 30.3647
YIQ	118.3890, -53.0440, -18.8680

Conversions

Conversions Part 2

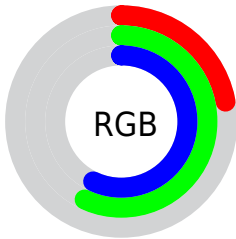
Format	Color
RYB	56, 101, 145
Decimal	3707281
CIELab	55.21, -25.97, -7.89
CIELCh	55, 27.143, 196.894
Yxy	23.1359, 0.2397, 0.3288
Android (android.graphics.Color)	4281897361 (0xFF389191)
YUV	118.3890, 13.1192, -54.7152
Hunter-Lab	48.0998, -21.5802, -3.7591

Details

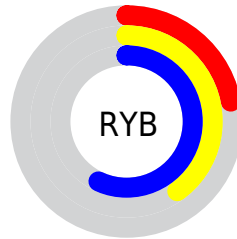
The XYZ color **16.8671, 23.1359, 30.3647** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8058, 9.1343, 4.7776**, and the grayscale version is **17.3146, 18.2163, 19.8375**.

A 20% lighter version of the original color is **37.6717, 48.5478, 61.4180**, and **6.0683, 8.8316, 12.2113** is the 20% darker color. If you saturate the color by 10%, you get **16.1713, 22.7777, 30.3326**, and if you desaturate by 10%, it is **17.7990, 23.6168, 30.4089**.

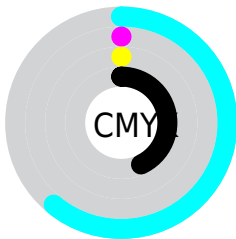
Distribution



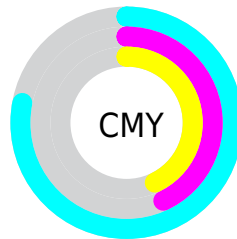
- Red (22%)
- Green (57%)
- Blue (57%)



- Red (22%)
- Yellow (40%)
- Blue (57%)



- Cyan (61%)
- Magenta (0%)
- Yellow (0%)
- Black (43%)



- Cyan (78%)
- Magenta (43%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8671, 23.1359, 30.3647 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 16.8671, 23.1359, 30.3647 by changing the saturation by 10% instead.

■ 16.8671, 23.1359,
30.3647

■ 16.8671, 23.1359,
30.3647

227.5766,
268.4222, 317.8608

■ 10.2345, 14.6939,
19.8612

■ 37.6426, 48.6164,
61.3063

■ 5.6182, 8.6048,
12.1111

■ 52.5161, 66.4236,
82.5814

■ 2.6528, 4.4843,
6.6959

■ 70.8674, 88.1214,
108.2841

■ 0.9729, 1.9480,
3.1971

■ 93.0617, 114.0941,
138.8330

■ 0.0000, 0.5770,
1.1961

■ 119.4644,
144.7262, 174.6465

■ 0.0000, 0.0000,
0.0000

150.4409,

180.4020, 216.1433

186.3565,
221.5058, 263.7419

■ 16.8671, 23.1359,
30.3647

■ 16.8671, 23.1359,
30.3647

■ 16.1713, 22.7777,
30.3326

■ 17.7990, 23.6168,
30.4089

■ 15.6887, 22.5290,
30.3099

■ 18.9834, 24.2274,
30.4645

■ 15.3954, 22.3777,
30.2960

■ 20.4377, 24.9771,
30.5326

■ 15.2366, 22.2959,
30.2885

■ 22.1768, 25.8737,
30.6141

■ 24.2151, 26.9244,
30.7096

■ 26.5655, 28.1361,
30.8197

■ 29.2403, 29.5150,
30.9450

■ 32.2514, 31.0673,
31.0860

■ 35.6098, 32.7986,
31.2433

Harmonies

Analogous

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



16.7836, 23.1359, 21.5894



16.8671, 23.1359, 30.3647



18.2396, 23.1359, 39.4633

Triad

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



16.8671, 23.1359, 30.3647



26.5299, 23.1359, 38.4194



23.3395, 23.1359, 12.1713

Complementary

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



16.8671, 23.1359, 30.3647



13.8058, 9.1343, 4.7776

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.



26.2221, 23.1359, 14.8563



16.8671, 23.1359, 30.3647



28.1750, 23.1359, 29.1725

Square

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



16.8671, 23.1359, 30.3647



23.7292, 23.1359, 44.7970



28.0574, 23.1359, 20.6412



20.3379, 23.1359, 12.3481

Rectangle

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



16.8671, 23.1359, 30.3647



19.7792, 23.1359, 43.8942



28.0574, 23.1359, 20.6412



24.3597, 23.1359, 12.7371

Sweetspot

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



16.8678, 23.1368, 30.3652



40.7524, 46.8696, 54.8721



12.5550, 21.4214, 7.2149



8.8628, 10.3220, 12.1973



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.



16.8678, 23.1368, 30.3652



28.5552, 40.5818, 54.3002



11.4922, 12.3854, 28.5740



5.5603, 6.1163, 6.9163



13.0685, 19.1233, 25.9786



0.1249, 0.1828, 0.2484

Inverse Universe

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



13.8058, 9.1343, 4.7776



22.5686, 13.2046, 4.2721



16.8551, 15.2330, 5.7938



5.4089, 5.4241, 5.6513



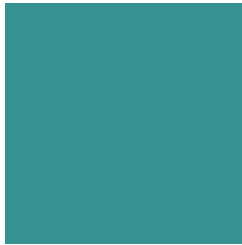
10.0158, 5.1634, 0.4688



0.0958, 0.0494, 0.0045

Previews

White Background



This preview shows how the XYZ color 16.8671, 23.1359, 30.3647 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 16.8671, 23.1359, 30.3647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

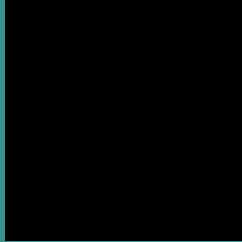
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8671, 23.1359, 30.3647

Background



This preview shows how black text looks on a background with the XYZ color 16.8671, 23.1359, 30.3647.

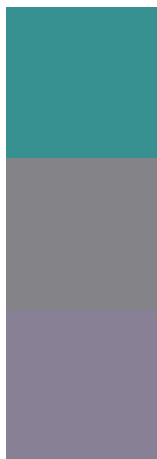


This preview shows how white text looks on a background with the XYZ color 16.8671, 23.1359,

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

16.8671, 23.1359, 30.3647

Protanopia

22.0760, 22.9157, 26.5522

Deuteranopia

23.2973, 22.8425, 31.6149



Tritanopia

17.6633, 23.0036, 34.5195

Trichromacy



Original Color

16.8671, 23.1359, 30.3647

Protanomaly

19.1733, 22.4155, 27.7422

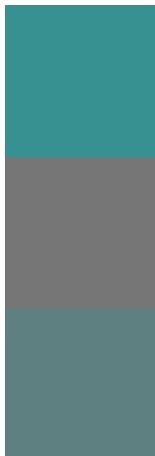
Deuteranomaly

19.9338, 22.3141, 31.2734

Tritanomaly

17.3628, 23.1107, 32.8238

Monochromacy



Original Color

16.8671, 23.1359, 30.3647

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.3348, 19.4298, 23.3115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8671, 23.1359, 30.3647 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(56, 145, 145)` looks like.

```
.text, #text, p{  
    color:rgb(56, 145, 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(56, 145, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 145, 145) }
```

Border

The CSS property to change the border of an element to XYZ 16.8671, 23.1359, 30.3647 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(56, 145, 145) }
```


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

```
.border{ border-color:rgb(56, 145, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 145, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 145, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 145, 145);  
box-shadow:4px 4px 4px 4px rgb(56, 145,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8671, 23.1359, 30.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 145, 145) }
```

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

```
.background{ background-color: rgb(56, 145,  
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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