

Converting Colors

XYZ(16.8888, 23.6243, 32.5237)

Have a look what the booklet for
XYZ(16.8888, 23.6243, 32.5237)
contains.

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Color

**XYZ(16.8532, 23.5409,
32.5097)**

Conversions

Conversions Part 1

Format	Color
Hex	299396
RGB	41, 147, 150
RGB Percent	16%, 58%, 59%
CMY	0.8392, 0.4235, 0.4118
CMYK	0.73, 0.02, 0.00, 0.41
HSL	182°, 57%, 37%
HSV	182°, 73%, 59%
XYZ	16.8532, 23.5409, 32.5097
YIQ	115.6480, -64.1390, -21.5390

Conversions

Conversions Part 2

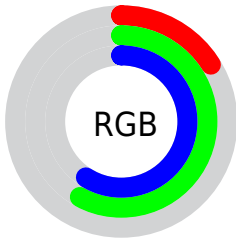
Format	Color
RYB	41, 95, 150
Decimal	2724758
CIELab	55.63, -27.83, -10.18
CIELCh	56, 29.634, 200.097
Yxy	23.5409, 0.2312, 0.3229
Android (android.graphics.Color)	4280914838 (0xFF299396)
YUV	115.6480, 16.9355, -65.4663
Hunter-Lab	48.5190, -22.9057, -5.7635




Details

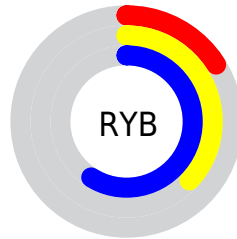
The XYZ color **16.8532, 23.5409, 32.5097** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.8791, 8.4460, 2.9972**, and the grayscale version is **16.4577, 17.3148, 18.8558**.




A 20% lighter version of the original color is **37.4946, 49.0760, 64.6232**, and **6.4350, 9.2666, 13.2539** is the 20% darker color. If you saturate the color by 10%, you get **16.3013, 23.1618, 32.4660**, and if you desaturate by 10%, it is **17.6348, 24.0398, 32.5652**.

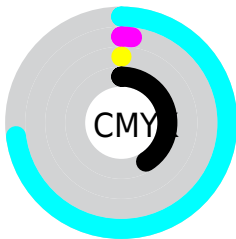
Distribution







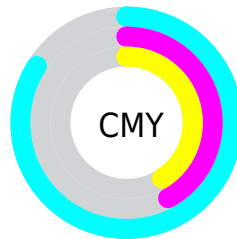
-  Red (16%)
-  Green (58%)
-  Blue (59%)






-  Red (16%)
-  Yellow (37%)
-  Blue (59%)



-  Cyan (73%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (41%)



-  Cyan (84%)
-  Magenta (42%)
-  Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8532, 23.5409, 32.5097 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 16.8532, 23.5409, 32.5097 by changing the saturation by 10% instead.

■ 16.8532, 23.5409,
32.5097

■ 16.8532, 23.5409,
32.5097

■ 227.4978,
270.4911, 327.9986

■ 10.2245, 14.9934,
21.4831

■ 37.6188, 49.2800,
64.7165

■ 5.6115, 8.8148,
13.2829

■ 52.4865, 67.2403,
86.7337

■ 2.6487, 4.6206,
7.4906

■ 70.8312, 89.1071,
113.2515

■ 0.9708, 2.0264,
3.6877

■ 93.0183, 115.2647,
144.6884

■ 0.0000, 0.6227,
1.4556

■ 119.4131,
146.0975, 181.4631

■ 0.0000, 0.0000,
0.1846

■ 150.3811,

■ 0.0000, 0.0000,

181.9899, 223.9940

0.0000

186.2875,
223.3263, 272.6996

■ 16.8532, 23.5409,
32.5097

■ 16.8532, 23.5409,
32.5097

■ 16.3013, 23.1618,
32.4660

■ 17.6348, 24.0398,
32.5652

■ 15.9494, 22.8856,
32.4313

■ 18.6671, 24.6677,
32.6320

■ 15.7646, 22.7211,
32.4093

■ 19.9712, 25.4361,
32.7116

■ 21.5654, 26.3544,
32.8048

■ 23.4664, 27.4312,
32.9125

■ 25.6896, 28.6745,
33.0353

■ 28.2495, 30.0917,
33.1739

■ 31.1595, 31.6897,
33.3290

■ 34.4324, 33.4751,
33.5011

Harmonies

Analogous

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



16.6091, 23.5409, 22.5878



16.8532, 23.5409, 32.5097



18.4910, 23.5409, 42.5532

Triad

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



16.8532, 23.5409, 32.5097



27.6905, 23.5409, 39.3847



23.5014, 23.5409, 11.4129

Complementary

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



16.8532, 23.5409, 32.5097



13.8791, 8.4460, 2.9972

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.



26.7678, 23.5409, 13.9225



16.8532, 23.5409, 32.5097



29.3411, 23.5409, 28.9382

Square

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



16.8532, 23.5409, 32.5097



24.6627, 23.5409, 47.1595



28.9875, 23.5409, 19.8000



20.2332, 23.5409, 11.9149

Rectangle

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



16.8532, 23.5409, 32.5097



20.2524, 23.5409, 47.1916



28.9875, 23.5409, 19.8000



24.6408, 23.5409, 11.9021

Sweetspot

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



16.8539, 23.5418, 32.5103



41.4957, 48.4563, 58.0872



12.2540, 22.4577, 5.9575



9.0054, 10.6312, 12.8622



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.



16.8539, 23.5418, 32.5103



28.3532, 40.5599, 57.2557



10.3948, 10.6235, 30.3572



5.9506, 6.5351, 7.4175



13.0787, 18.8521, 26.8805



0.1635, 0.2377, 0.3302

Inverse Universe

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



18.6377, 10.1771, 28.5868



31.7515, 15.8276, 49.6176



17.2826, 15.2530, 4.1317



6.0285, 5.9065, 7.2562



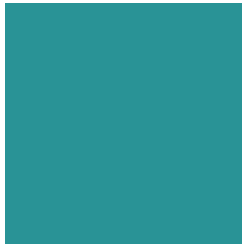
14.7286, 7.0965, 23.1155



0.1820, 0.0876, 0.2922

Previews

White Background



This preview shows how the XYZ color 16.8532, 23.5409, 32.5097 looks on a white background.

Color Contrast Check

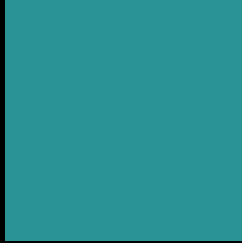
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8532, 23.5409, 32.5097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

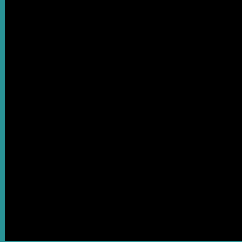
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.8532, 23.5409, 32.5097

Background



This preview shows how black text looks on a background with the XYZ color 16.8532, 23.5409, 32.5097.



This preview shows how white text looks on a background with the XYZ color 16.8532, 23.5409,

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

16.8532, 23.5409, 32.5097

Protanopia

22.5006, 23.3015, 28.1227

Deuteranopia

23.6747, 23.1845, 33.7991



Tritanopia

17.5772, 23.6072, 35.9780

Trichromacy



Original Color

16.8532, 23.5409, 32.5097

Protanomaly

19.1253, 22.5576, 29.7316

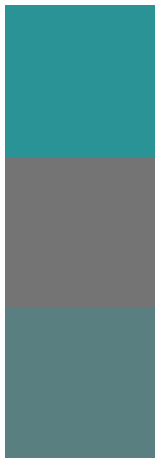
Deuteranomaly

19.9208, 22.6749, 33.4638

Tritanomaly

17.2340, 23.4598, 34.6302

Monochromacy



Original Color

16.8532, 23.5409, 32.5097

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.6055, 18.8611, 23.2401

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8532, 23.5409, 32.5097 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(41, 147, 150)` looks like.

```
.text, #text, p{  
  color:rgb(41, 147, 150)  
}
```

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(41, 147, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 147, 150) }
```

Border

The CSS property to change the border of an element to XYZ 16.8532, 23.5409, 32.5097 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(41, 147, 150) }
```


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

```
.border{ border-color:rgb(41, 147, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 147, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 147, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 147, 150);  
box-shadow:4px 4px 4px 4px rgb(41, 147,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8532, 23.5409, 32.5097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 147, 150) }
```

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

```
.background{ background-color: rgb(41, 147,  
150) }
```

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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