

Converting Colors

XYZ(16.0740, 20.7765, 35.0615)

Have a look what the booklet for
XYZ(16.0740, 20.7765, 35.0615)
contains.

XYZ(16.1137, 20.8835, 35.0799)	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(16.1137, 20.8835,
35.0799)**

Conversions

Conversions Part 1

Format	Color
Hex	2D899D
RGB	45, 137, 157
RGB Percent	18%, 54%, 62%
CMY	0.8235, 0.4627, 0.3843
CMYK	0.71, 0.13, 0.00, 0.38
HSL	191°, 55%, 40%
HSV	191°, 71%, 62%
XYZ	16.1137, 20.8835, 35.0799
YIQ	111.7720, -61.2520, -13.2840

Conversions

Conversions Part 2

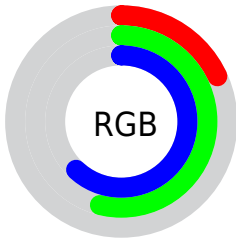
Format	Color
RYB	45, 96, 157
Decimal	2984349
CIELab	52.82, -19.92, -18.45
CIElCh	53, 27.148, 222.812
Yxy	20.8835, 0.2236, 0.2897
Android (android.graphics.Color)	4281174429 (0xFF2D899D)
YUV	111.7720, 22.2974, -58.5590
Hunter-Lab	45.6985, -17.0316, -13.5244

Details

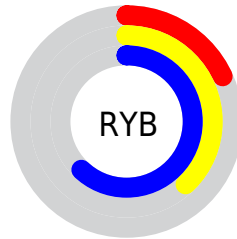
The XYZ color **16.1137, 20.8835, 35.0799** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.2694, 11.1393, 3.7761**, and the grayscale version is **15.2850, 16.0810, 17.5122**.

A 20% lighter version of the original color is **36.4583, 45.0792, 69.0670**, and **6.0097, 7.8570, 14.8355** is the 20% darker color. If you saturate the color by 10%, you get **15.1539, 19.8051, 34.9227**, and if you desaturate by 10%, it is **17.3422, 22.1166, 35.2536**.

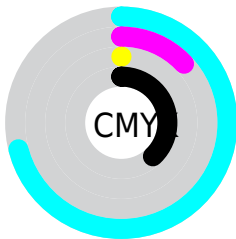
Distribution



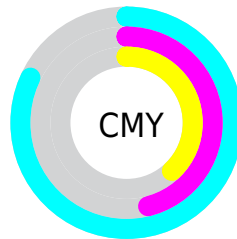
- Red (18%)
- Green (54%)
- Blue (62%)



- Red (18%)
- Yellow (38%)
- Blue (62%)



- Cyan (71%)
- Magenta (13%)
- Yellow (0%)
- Black (38%)



- Cyan (82%)
- Magenta (46%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.1137, 20.8835, 35.0799 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 16.1137, 20.8835, 35.0799 by changing the saturation by 10% instead.

■ 16.1137, 20.8835,
35.0799

■ 16.1137, 20.8835,
35.0799

■ 223.2689,
256.6587, 339.8358

■ 9.6960, 13.0389,
23.4404

■ 36.3513, 44.8936,
68.7625

■ 5.2586, 7.4553,
14.7107

■ 50.9020, 61.8278,
91.6427

■ 2.4361, 3.7484,
8.4722

■ 68.8943, 82.5607,
119.1068

■ 0.8631, 1.5339,
4.3065

■ 90.6937, 107.4766,
151.5734

■ 0.0000, 0.3124,
1.7949

■ 116.6655,
136.9600, 189.4611

■ 0.0000, 0.0000,
0.4246

■ 147.1751,

■ 0.0000, 0.0000,

171.3952, 233.1884

0.0000

182.5878,
211.1666, 283.1738

■ 16.1137, 20.8835,
35.0799

■ 16.1137, 20.8835,
35.0799

■ 15.1539, 19.8051,
34.9227

■ 17.3422, 22.1166,
35.2536

■ 14.4303, 18.8634,
34.7791

■ 18.8629, 23.5154,
35.4434

■ 13.9314, 18.1254,
34.6630

■ 20.6990, 25.0925,
35.6510

■ 22.8710, 26.8583,
35.8774

■ 25.3972, 28.8227,
36.1234

■ 28.2949, 30.9944,
36.3899

■ 31.5802, 33.3820,
36.6776

■ 35.2680, 35.9933,
36.9872

■ 39.3727, 38.8358,
37.3195

Harmonies

Analogous

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



14.9953, 20.8835, 26.3780



16.1137, 20.8835, 35.0799



18.2818, 20.8835, 41.1455

Triad

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



16.1137, 20.8835, 35.0799



25.5239, 20.8835, 27.6697



18.6651, 20.8835, 10.6625

Complementary

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



16.1137, 20.8835, 35.0799



16.2694, 11.1393, 3.7761

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.



21.5035, 20.8835, 10.8498



16.1137, 20.8835, 35.0799



25.6515, 20.8835, 19.4503

Square

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



16.1137, 20.8835, 35.0799



23.7878, 20.8835, 36.2173



24.1214, 20.8835, 13.6957



16.3712, 20.8835, 13.1033

Rectangle

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



16.1137, 20.8835, 35.0799



20.1177, 20.8835, 42.1609



24.1214, 20.8835, 13.6957



19.5830, 20.8835, 10.4409

Sweetspot

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



16.1144, 20.8843, 35.0804



45.4482, 51.5912, 64.6895



14.0559, 25.0388, 8.8942



9.7347, 11.1485, 14.2092



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.



16.1144, 20.8843, 35.0804



26.2739, 34.3754, 62.3771



10.2114, 9.0784, 33.1128



6.7210, 7.3079, 8.4630



11.3390, 14.7695, 28.1604



0.2268, 0.3123, 0.5115

Inverse Universe

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



19.3590, 10.8518, 24.7418



32.8415, 16.6991, 40.8605



21.0555, 20.7115, 5.3715



6.8533, 6.7342, 8.0786



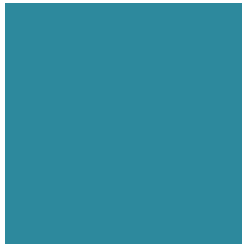
14.5216, 7.1132, 17.5296



0.2718, 0.1321, 0.3775

Previews

White Background



This preview shows how the XYZ color 16.1137, 20.8835, 35.0799 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 16.1137, 20.8835, 35.0799 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 16.1137, 20.8835, 35.0799

Background



This preview shows how black text looks on a background with the XYZ color 16.1137, 20.8835, 35.0799.

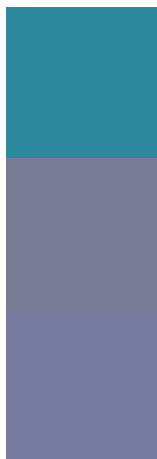


This preview shows how white text looks on a background with the XYZ color 16.1137, 20.8835,

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

16.1137, 20.8835, 35.0799

Protanopia

20.2987, 20.5465, 30.9130

Deuteranopia

21.0359, 20.6259, 36.1302



Tritanopia

15.3884, 20.7980, 31.6371

Trichromacy



Original Color

16.1137, 20.8835, 35.0799

Protanomaly

17.9504, 20.2620, 32.2430

Deuteranomaly

18.3908, 20.2169, 35.7338

Tritanomaly

15.7108, 20.9362, 32.9188

Monochromacy



Original Color

16.1137, 20.8835, 35.0799

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.7582, 17.3080, 22.9850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1137, 20.8835, 35.0799 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(45, 137, 157)` looks like.

```
.text, #text, p{  
    color:rgb(45, 137, 157)  
}
```

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(45, 137, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 137, 157) }
```

Border

The CSS property to change the border of an element to XYZ 16.1137, 20.8835, 35.0799 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(45, 137, 157) }
```


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

```
.border{ border-color:rgb(45, 137, 157) }
```

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

Here you see how a box with a 4 pixel rgb(45, 137, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 137, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 137, 157);  
box-shadow:4px 4px 4px 4px rgb(45, 137,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1137, 20.8835, 35.0799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 137, 157) }
```

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

```
.background{ background-color: rgb(45, 137,  
157) }
```

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