

Converting Colors

XYZ(16.8494, 21.9105, 36.0997)

Have a look what the booklet for
XYZ(16.8494, 21.9105, 36.0997)
contains.

XYZ(16.8550, 21.8877, 36.1373)	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(16.8550, 21.8877,
36.1373)**

Conversions

Conversions Part 1

Format	Color
Hex	308C9F
RGB	48, 140, 159
RGB Percent	19%, 55%, 62%
CMY	0.8117, 0.4510, 0.3765
CMYK	0.70, 0.12, 0.00, 0.38
HSL	190°, 54%, 41%
HSV	190°, 70%, 62%
XYZ	16.8550, 21.8877, 36.1373
YIQ	114.6580, -60.9310, -13.5950

Conversions

Conversions Part 2

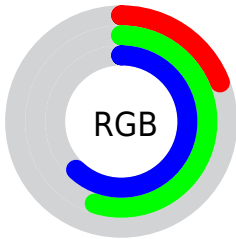
Format	Color
RYB	48, 98, 159
Decimal	3181727
CIELab	53.91, -20.42, -17.94
CIELCh	54, 27.180, 221.308
Yxy	21.8877, 0.2251, 0.2923
Android (android.graphics.Color)	4281371807 (0xFF308C9F)
YUV	114.6580, 21.8606, -58.4591
Hunter-Lab	46.7843, -17.5642, -13.0480

Details

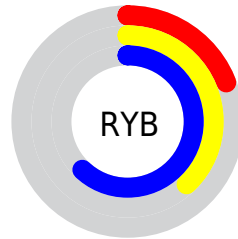
The XYZ color **16.8550, 21.8877, 36.1373** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.8394, 11.5995, 4.1485**, and the grayscale version is **16.1423, 16.9830, 18.4945**.

A 20% lighter version of the original color is **37.7361, 46.6898, 70.6415**, and **6.3629, 8.3950, 15.4724** is the 20% darker color. If you saturate the color by 10%, you get **15.8426, 20.7831, 35.9779**, and if you desaturate by 10%, it is **18.1474, 23.1521, 36.3137**.

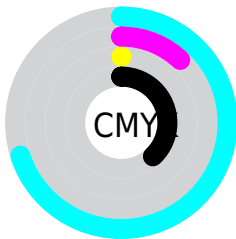
Distribution



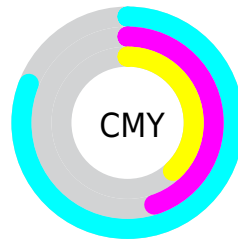
- Red (19%)
- Green (55%)
- Blue (62%)



- Red (19%)
- Yellow (38%)
- Blue (62%)



- Cyan (70%)
- Magenta (12%)
- Yellow (0%)
- Black (38%)



- Cyan (81%)
- Magenta (45%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8550, 21.8877, 36.1373 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 16.8550, 21.8877, 36.1373 by changing the saturation by 10% instead.

■ 16.8550, 21.8877,
36.1373

■ 16.8550, 21.8877,
36.1373

227.5080,
261.9593, 344.6158

■ 10.2258, 13.7744,
24.2497

■ 37.6219, 46.5603,
70.4154

■ 5.6124, 7.9639,
15.3051

■ 52.4903, 63.8884,
93.6429

■ 2.6492, 4.0719,
8.8848

■ 70.8359, 85.0569,
121.4876

■ 0.9711, 1.7139,
4.5703

■ 93.0239, 110.4502,
154.3678

■ 0.0000, 0.4326,
1.9431

■ 119.4198,
140.4527, 192.7022

■ 0.0000, 0.0000,
0.5200

150.3888,

■ 0.0000, 0.0000,

175.4488, 236.9093

0.0000

186.2964,
215.8228, 287.4077

■ 16.8550, 21.8877,
36.1373

■ 16.8550, 21.8877,
36.1373

■ 15.8426, 20.7831,
35.9779

■ 18.1474, 23.1521,
36.3137

■ 15.0778, 19.8202,
35.8323

■ 19.7437, 24.5875,
36.5066

■ 14.4911, 18.9635,
35.6979

■ 21.6673, 26.2064,
36.7177

■ 14.4802, 18.9474,
35.6953

■ 23.9390, 28.0196,
36.9479

■ 26.5776, 30.0370,
37.1983

■ 29.6007, 32.2678,
37.4695

■ 33.0246, 34.7203,
37.7624

■ 36.8647, 37.4027,
38.0778

■ 41.1356, 40.3227,
38.4163

Harmonies

Analogous

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



15.7573, 21.8877, 27.1353



16.8550, 21.8877, 36.1373



19.0512, 21.8877, 42.5984

Triad

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



16.8550, 21.8877, 36.1373



26.6047, 21.8877, 29.3811



19.7191, 21.8877, 11.2608

Complementary

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



16.8550, 21.8877, 36.1373



16.8394, 11.5995, 4.1485

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.



22.6603, 21.8877, 11.5899



16.8550, 21.8877, 36.1373



26.8264, 21.8877, 20.8083

Square

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



16.8550, 21.8877, 36.1373



24.7453, 21.8877, 38.1097



25.3252, 21.8877, 14.6951



17.3044, 21.8877, 13.6570

Rectangle

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



16.8550, 21.8877, 36.1373



20.9324, 21.8877, 43.8568



25.3252, 21.8877, 14.6951



20.6753, 21.8877, 11.0745

Sweetspot

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



16.8557, 21.8885, 36.1378



46.7998, 53.1925, 66.5440



14.6159, 25.8245, 9.4471



10.2670, 11.7768, 14.9757



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8557, 21.8885, 36.1378



27.5291, 36.1927, 64.2784



10.7262, 9.6296, 34.0947



6.7252, 7.3161, 8.4644



11.4633, 15.0181, 28.2018



0.2283, 0.3151, 0.5120

Inverse Universe

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



20.0893, 11.3790, 25.9492



34.0728, 17.4594, 43.0915



21.7918, 21.5043, 5.7993



6.8554, 6.7351, 8.0896



14.5844, 7.1383, 17.8600



0.2725, 0.1323, 0.3813

Previews

White Background



This preview shows how the XYZ color 16.8550, 21.8877, 36.1373 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 16.8550, 21.8877, 36.1373 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

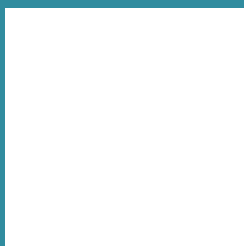
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8550, 21.8877, 36.1373

Background



This preview shows how black text looks on a background with the XYZ color 16.8550, 21.8877, 36.1373.



This preview shows how white text looks on a background with the XYZ color 16.8550, 21.8877,

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

16.8550, 21.8877, 36.1373

Protanopia

21.4066, 21.6658, 31.9078

Deuteranopia

22.1508, 21.7413, 37.2114



Tritanopia

16.3134, 21.8851, 33.5014

Trichromacy



Original Color

16.8550, 21.8877, 36.1373

Protanomaly

18.8249, 21.2892, 33.2540

Deuteranomaly

19.3732, 21.2926, 36.8070

Tritanomaly

16.5235, 21.9742, 34.3809

Monochromacy



Original Color

16.8550, 21.8877, 36.1373

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.6188, 18.2781, 24.1776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8550, 21.8877, 36.1373 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(48, 140, 159)` looks like.

```
.text, #text, p{  
    color:rgb(48, 140, 159)  
}
```

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(48, 140, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 140, 159) }
```

Border

The CSS property to change the border of an element to XYZ 16.8550, 21.8877, 36.1373 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(48, 140, 159) }
```


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

```
.border{ border-color:rgb(48, 140, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 140, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 140, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 140, 159);  
box-shadow:4px 4px 4px 4px rgb(48, 140,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8550, 21.8877, 36.1373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 140, 159) }
```

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

```
.background{ background-color: rgb(48, 140,  
159) }
```

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