

Converting Colors

XYZ(10.5188, 16.2590, 9.8790)

Have a look what the booklet for
XYZ(10.5188, 16.2590, 9.8790)
contains.

XYZ(10.5809, 16.3713, 9.8100)	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(10.5809, 16.3713,
9.8100)**

Conversions

Conversions Part 1

Format	Color
Hex	3A7E4E
RGB	58, 126, 78
RGB Percent	23%, 49%, 31%
CMY	0.7725, 0.5059, 0.6941
CMYK	0.54, 0.00, 0.38, 0.51
HSL	138°, 37%, 36%
HSV	138°, 54%, 49%
XYZ	10.5809, 16.3713, 9.8100
YIQ	100.1960, -25.1200, -29.3440

Conversions

Conversions Part 2

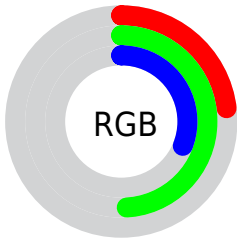
Format	Color
RYB	58, 111, 126
Decimal	3833422
CIELab	47.46, -33.00, 19.75
CIElCh	47, 38.457, 149.099
Yxy	16.3713, 0.2878, 0.4453
Android (android.graphics.Color)	4282023502 (0xFF3A7E4E)
YUV	100.1960, -10.9426, -37.0059
Hunter-Lab	40.4615, -24.1288, 13.9480

Details

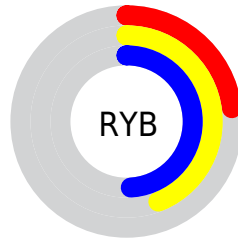
The XYZ color **10.5809, 16.3713, 9.8100** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.7193, 8.5026, 14.6070**, and the grayscale version is **12.1952, 12.8303, 13.9721**.

A 20% lighter version of the original color is **26.3813, 37.0875, 25.8468**, and **2.8590, 5.2787, 2.3070** is the 20% darker color. If you saturate the color by 10%, you get **9.6386, 15.9204, 8.2126**, and if you desaturate by 10%, it is **11.7466, 16.9333, 11.6438**.

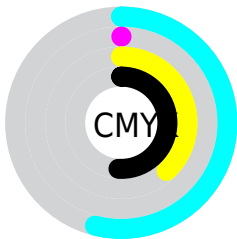
Distribution



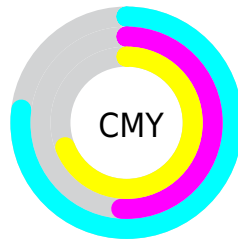
- Red (23%)
- Green (49%)
- Blue (31%)



- Red (23%)
- Yellow (44%)
- Blue (49%)



- Cyan (54%)
- Magenta (0%)
- Yellow (38%)
- Black (51%)





- Cyan (77%)
- Magenta (51%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.5809, 16.3713, 9.8100 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 10.5809, 16.3713, 9.8100 by changing the saturation by 10% instead.


 10.5809, 16.3713,
9.8100


 10.5809, 16.3713,
9.8100


188.7375,
231.5228, 199.7459

 5.8510, 9.7873,
5.1692


 26.5224, 37.2416,
26.0397


 2.7945, 5.2581,
2.2864

 38.4647, 52.2967,
38.4657


 1.0460, 2.3995,
0.7236

 53.5418, 70.9442,
54.3239

 0.0000, 0.8256,
0.0000

 72.1192, 93.5686,
74.0327

 0.0000, 0.0000,
0.0000

 94.5621, 120.5543,
98.0108

 121.2358,

152.2856, 126.6767

152.5059,
189.1470, 160.4489

■ 10.5809, 16.3713,
9.8100

■ 10.5809, 16.3713,
9.8100

■ 9.6386, 15.9204,
8.2126

■ 11.7466, 16.9333,
11.6438

■ 8.9032, 15.5709,
6.8407

■ 13.1479, 17.6112,
13.7220

■ 8.3583, 15.3150,
5.6845

■ 14.7978, 18.4118,
16.0535

■ 7.9818, 15.1416,
4.7324

■ 16.7078, 19.3411,
18.6467

■ 7.7960, 15.0563,
4.2504

■ 18.8888, 20.4043,
21.5092

■ 21.3510, 21.6067,
24.6485

■ 24.1042, 22.9531,
28.0720

■ 27.1574, 24.4480,
31.7865

■ 30.5195, 26.0959,
35.7987

Harmonies

Analogous

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



12.5819, 16.3713, 5.9293



10.5809, 16.3713, 9.8100



9.8773, 16.3713, 17.5315

Triad

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



10.5809, 16.3713, 9.8100



15.4574, 16.3713, 43.9989



22.0287, 16.3713, 10.1580

Complementary

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



10.5809, 16.3713, 9.8100



12.7193, 8.5026, 14.6070

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.



23.0886, 16.3713, 18.1229



10.5809, 16.3713, 9.8100



18.9754, 16.3713, 39.8105

Square

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



10.5809, 16.3713, 9.8100



12.4273, 16.3713, 39.3074



21.8987, 16.3713, 29.3262



19.1803, 16.3713, 6.0724

Rectangle

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



10.5809, 16.3713, 9.8100



10.1459, 16.3713, 24.7101



21.8987, 16.3713, 29.3262



22.6229, 16.3713, 12.3556

Sweetspot

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



10.5813, 16.3720, 9.8104



28.5567, 33.6285, 31.6802



14.2565, 18.3372, 6.7911



6.3668, 7.5865, 7.0323



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.5813, 16.3720, 9.8104



16.6017, 27.8488, 13.8025



12.0902, 16.9755, 17.7560



4.3241, 4.8379, 4.8777



7.9959, 15.4450, 4.3515



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.7193, 8.5026, 14.6070



20.7792, 12.4117, 23.1303



11.3114, 7.9395, 7.1936



4.4459, 4.3915, 5.1528



10.6725, 5.2887, 10.1312



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.5809, 16.3713, 9.8100 looks on a white 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

Black Background



This preview shows how the XYZ color 10.5809, 16.3713, 9.8100 looks on a black 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

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

XYZ 10.5809, 16.3713, 9.8100

Background



This preview shows how black text looks on a background with the XYZ color 10.5809, 16.3713, 9.8100.



This preview shows how white text looks on a background with the XYZ color 10.5809, 16.3713,

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

10.5809, 16.3713, 9.8100

Protanopia

14.9899, 16.1938, 8.4666

Deuteranopia

16.2964, 16.0301, 10.2179



Tritanopia

13.2775, 16.3575, 23.2264

Trichromacy



Original Color

10.5809, 16.3713, 9.8100

Protanomaly

12.7429, 15.8696, 8.8701

Deuteranomaly

13.3282, 15.6320, 10.0994

Tritanomaly

12.0208, 16.2031, 17.2458

Monochromacy



Original Color

10.5809, 16.3713, 9.8100

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.1467, 13.6413, 12.1708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5809, 16.3713, 9.8100 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(58, 126, 78)` looks like.

```
.text, #text, p{  
    color:rgb(58, 126, 78)  
}
```

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(58, 126, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 126, 78) }
```

Border

The CSS property to change the border of an element to XYZ 10.5809, 16.3713, 9.8100 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(58, 126, 78) }
```


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

```
.border{ border-color:rgb(58, 126, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 126, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 126, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 126, 78);  
box-shadow:4px 4px 4px 4px rgb(58, 126,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5809, 16.3713, 9.8100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 126, 78) }
```

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

```
.background{ background-color: rgb(58, 126,  
78) }
```

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