

Converting Colors

XYZ(29.1319, 35.6924, 29.5964)

Have a look what the booklet for
XYZ(29.1319, 35.6924, 29.5964)
contains.

XYZ(29.1883, 35.8478, 29.8070)	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(29.1883, 35.8478,
29.8070)**

Conversions

Conversions Part 1

Format	Color
Hex	88AA8B
RGB	136, 170, 139
RGB Percent	53%, 67%, 55%
CMY	0.4667, 0.3333, 0.4549
CMYK	0.20, 0.00, 0.18, 0.33
HSL	125°, 17%, 60%
HSV	125°, 20%, 67%
XYZ	29.1883, 35.8478, 29.8070
YIQ	156.3000, -10.3130, -16.8490

Conversions

Conversions Part 2

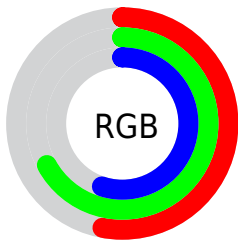
Format	Color
RYB	136, 167, 170
Decimal	8956555
CIELab	66.40, -17.85, 12.21
CIELCh	66, 21.631, 145.626
Yxy	35.8478, 0.3078, 0.3780
Android (android.graphics.Color)	4287146635 (0xFF88AA8B)
YUV	156.3000, -8.5289, -17.8031
Hunter-Lab	59.8730, -17.7585, 12.3944

Details

The XYZ color **29.1883, 35.8478, 29.8070** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **32.3581, 28.9453, 40.4425**, and the grayscale version is **31.7750, 33.4297, 36.4050**.

A 20% lighter version of the original color is **57.7861, 68.6478, 60.6568**, and **12.1194, 15.6566, 11.8345** is the 20% darker color. If you saturate the color by 10%, you get **25.5899, 34.1155, 24.1400**, and if you desaturate by 10%, it is **33.3872, 37.8732, 36.3420**.

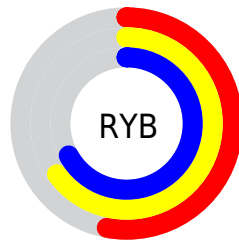
Distribution



Red (53%)

Green (67%)

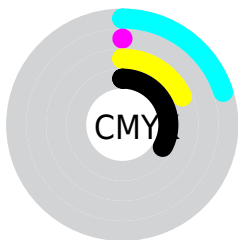
Blue (55%)



Red (53%)

Yellow (65%)

Blue (67%)

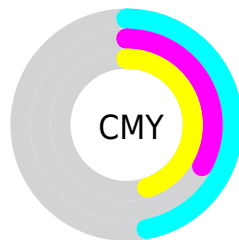


Cyan (20%)

Magenta (0%)

Yellow (18%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1883, 35.8478, 29.8070 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 29.1883, 35.8478, 29.8070 by changing the saturation by 10% instead.


 29.1883, 35.8478,
29.8070


 29.1883, 35.8478,
29.8070


290.0806,
328.2948, 315.1831


 19.3683, 24.3167,
19.4413


 57.7716, 68.7971,
60.4142

 12.0423, 15.5687,
11.8096


 77.2656, 90.9840,
81.4929

 6.8449, 9.2195,
6.4932


 100.7151,
117.4917, 106.9796

 3.4108, 4.8846,
3.0736

128.4853,
148.7045, 137.2929

 1.3745, 2.1797,
1.1324

160.9415,
185.0068, 172.8513

 0.2380, 0.7089,
0.0000

198.4493,

 0.0000, 0.0000,

226.7830, 214.0735

0.0000

241.3738,
274.4176, 261.3779

■ 29.1883, 35.8478,
29.8070

■ 29.1883, 35.8478,
29.8070

■ 25.5899, 34.1155,
24.1400

■ 33.3872, 37.8732,
36.3420

■ 22.5618, 32.6584,
19.3021

■ 38.2093, 40.1995,
43.7767

■ 20.0755, 31.4636,
15.2553


■ 43.6796, 42.8400,
52.1443


■ 18.0989, 30.5156,
11.9574


■ 49.8210, 45.8058,
61.4756


■ 16.5965, 29.7970,
9.3624


■ 56.6550, 49.1074,
71.8000

 15.5282, 29.2882,
7.4194

 64.2025, 52.7550,
83.1455

 14.8473, 28.9663,
6.0705

 72.4818, 56.7574,
95.5390

 14.4617, 28.7854,
5.2459

 73.6654, 57.2309,
101.7718

Harmonies

Analogous

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



31.4503, 35.8478, 25.0635



29.1883, 35.8478, 29.8070



28.2347, 35.8478, 37.6881

Triad

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



29.1883, 35.8478, 29.8070



33.5997, 35.8478, 59.6432



39.9988, 35.8478, 31.8184

Complementary

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



29.1883, 35.8478, 29.8070



32.3581, 28.9453, 40.4425

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.



40.6636, 35.8478, 40.4078



29.1883, 35.8478, 29.8070



36.8360, 35.8478, 57.4141

Square

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



29.1883, 35.8478, 29.8070



30.6771, 35.8478, 55.6732



39.4727, 35.8478, 49.9878



37.7091, 35.8478, 26.0892

Rectangle

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



29.1883, 35.8478, 29.8070



28.4221, 35.8478, 44.0337



39.4727, 35.8478, 49.9878



40.4257, 35.8478, 34.4245

Sweetspot

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



29.1893, 35.8493, 29.8078



63.8429, 70.2899, 70.9882



34.7918, 38.7625, 28.9412



14.1172, 15.6171, 15.6454



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



29.1893, 35.8493, 29.8078



49.9315, 63.5833, 49.3307



30.5158, 36.3799, 36.7934



7.4626, 8.4181, 8.1564



10.6472, 21.1776, 3.9090



0.2671, 0.5185, 0.1377

Inverse Universe

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



32.3581, 28.9453, 40.4425



56.7372, 48.7531, 72.1693



30.9013, 28.3626, 32.7714



7.8129, 7.6550, 9.3321



16.5573, 8.0316, 23.5440



0.4109, 0.1986, 0.6150

Previews

White Background



This preview shows how the XYZ color 29.1883, 35.8478, 29.8070 looks on a white background.

Color Contrast Check

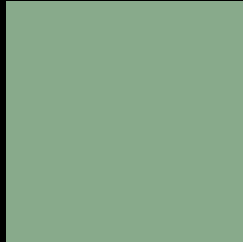
Large Text (above 18pt) WCAG AA × Fail

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 29.1883, 35.8478, 29.8070 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 ✓ Pass

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

XYZ 29.1883, 35.8478, 29.8070

Background



This preview shows how black text looks on a background with the XYZ color 29.1883, 35.8478, 29.8070.



This preview shows how white text looks on a background with the XYZ color 29.1883, 35.8478,

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

29.1883, 35.8478, 29.8070

Protanopia

33.6255, 35.7570, 27.6838

Deuteranopia

36.1323, 35.4630, 30.5318



Tritanopia

32.8187, 35.9643, 47.3315

Trichromacy



Original Color

29.1883, 35.8478, 29.8070

Protanomaly

31.8199, 35.5976, 28.4865

Deuteranomaly

33.1044, 35.1717, 30.2433

Tritanomaly

31.3348, 35.8932, 40.3985

Monochromacy



Original Color

29.1883, 35.8478, 29.8070

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.6443, 34.0813, 33.8174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1883, 35.8478, 29.8070 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(136, 170, 139)` looks like.

```
.text, #text, p{  
    color:rgb(136, 170, 139)  
}
```

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(136, 170, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 170, 139) }
```

Border

The CSS property to change the border of an element to XYZ 29.1883, 35.8478, 29.8070 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(136, 170, 139) }
```


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

```
.border{ border-color:rgb(136, 170, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 170, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 170, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 170, 139);  
box-shadow:4px 4px 4px 4px rgb(136, 170,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1883, 35.8478, 29.8070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 170, 139) }
```

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

```
.background{ background-color: rgb(136,  
170, 139) }
```

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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