

Converting Colors

XYZ(8.5589, 12.1507, 14.8540)

Have a look what the booklet for
XYZ(8.5589, 12.1507, 14.8540)
contains.

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Color

**XYZ(8.5039, 12.0617,
14.7119)**

Conversions

Conversions Part 1

Format	Color
Hex	236C67
RGB	35, 108, 103
RGB Percent	14%, 42%, 40%
CMY	0.8627, 0.5765, 0.5961
CMYK	0.68, 0.00, 0.05, 0.58
HSL	176°, 51%, 28%
HSV	176°, 68%, 42%
XYZ	8.5039, 12.0617, 14.7119
YIQ	85.6030, -41.9030, -17.0310

Conversions

Conversions Part 2

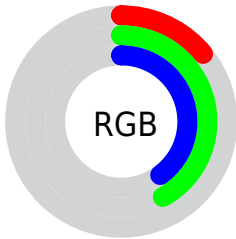
Format	Color
RYB	35, 73, 108
Decimal	2321511
CIELab	41.31, -23.41, -3.81
CIELCh	41, 23.721, 189.245
Yxy	12.0617, 0.2411, 0.3419
Android (android.graphics.Color)	4280511591 (0xFF236C67)
YUV	85.6030, 8.5767, -44.3788
Hunter-Lab	34.7300, -17.0703, -0.8048

Details

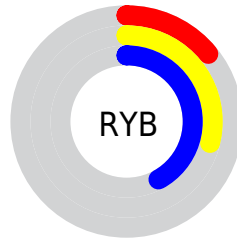
The XYZ color **8.5039, 12.0617, 14.7119** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.1688, 4.5438, 2.5072**, and the grayscale version is **8.7506, 9.2063, 10.0256**.

A 20% lighter version of the original color is **22.6200, 29.6484, 35.1024**, and **2.3297, 3.5172, 4.2975** is the 20% darker color. If you saturate the color by 10%, you get **8.1555, 11.8867, 14.5028**, and if you desaturate by 10%, it is **8.9662, 12.2960, 14.9285**.

Distribution



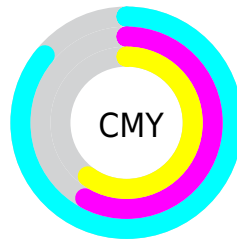
- Red (14%)
- Green (42%)
- Blue (40%)



- Red (14%)
- Yellow (29%)
- Blue (42%)



- Cyan (68%)
- Magenta (0%)
- Yellow (5%)
- Black (58%)



- Cyan (86%)
- Magenta (58%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.5039, 12.0617, 14.7119 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 8.5039, 12.0617, 14.7119 by changing the saturation by 10% instead.

8.5039, 12.0617,
14.7119

8.5039, 12.0617,
14.7119

173.9193,
204.8133, 233.1961

4.4735, 6.7857,
8.4731

22.6166, 29.6074,
35.0821

1.9734, 3.3284,
4.3070

33.4297, 42.6460,
50.0505

0.6189, 1.3055,
1.7952

47.2343, 59.0408,
68.7659

0.0000, 0.1455,
0.4248

64.3960, 79.1763,
91.6468

0.0000, 0.0000,
0.0000

85.2799, 103.4370,
119.1118

110.2515,

132.2071, 151.5793

139.6762,
165.8711, 189.4679

■ 8.5039, 12.0617,
14.7119

■ 8.5039, 12.0617,
14.7119

■ 8.1555, 11.8867,
14.5028

■ 8.9662, 12.2960,
14.9285

■ 7.9093, 11.7640,
14.3000

■ 9.5508, 12.5930,
15.1524

■ 7.7336, 11.6776,
14.1022

■ 10.2665, 12.9576,
15.3841

■ 7.6923, 11.6573,
14.0548

■ 11.1209, 13.3936,
15.6240

■ 12.1212, 13.9048,
15.8724

■ 13.2739, 14.4946,
16.1298

■ 14.5852, 15.1660,
16.3963

■ 16.0609, 15.9222,
16.6722

■ 17.7067, 16.7660,
16.9578

Harmonies

Analogous

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



8.6451, 12.0617, 10.0585



8.5039, 12.0617, 14.7119



9.0922, 12.0617, 20.0712

Triad

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



8.5039, 12.0617, 14.7119



13.6830, 12.0617, 21.9040



12.6749, 12.0617, 6.1257

Complementary

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



8.5039, 12.0617, 14.7119



7.1688, 4.5438, 2.5072

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.



14.2168, 12.0617, 8.0124



8.5039, 12.0617, 14.7119



14.8380, 12.0617, 16.7781

Square

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



8.5039, 12.0617, 14.7119



12.0030, 12.0617, 24.8547



15.0425, 12.0617, 11.6716



10.9419, 12.0617, 5.8352

Rectangle

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



8.5039, 12.0617, 14.7119



9.8571, 12.0617, 23.0529



15.0425, 12.0617, 11.6716



13.2373, 12.0617, 6.5668

Sweetspot

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



8.5043, 12.0622, 14.7122



20.7335, 24.1317, 27.7347



6.5841, 11.3201, 3.4285



4.9269, 5.7942, 6.6905



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



8.5043, 12.0622, 14.7122



14.0543, 20.7363, 25.2596



6.0952, 6.8303, 15.1849



3.1733, 3.4885, 3.8964



9.1709, 13.9024, 16.7427



46.5996, 70.7869, 84.6274

Inverse Universe

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



7.1688, 4.5438, 2.5072



11.5363, 6.4830, 2.1894



8.4025, 7.1386, 2.5255



3.1074, 3.1198, 3.2959



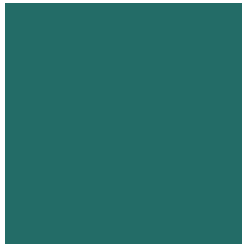
7.4205, 3.8203, 0.5771



37.6858, 19.4163, 2.2824

Previews

White Background



This preview shows how the XYZ color 8.5039, 12.0617, 14.7119 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 8.5039, 12.0617, 14.7119 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 8.5039, 12.0617, 14.7119

Background



This preview shows how black text looks on a background with the XYZ color 8.5039, 12.0617, 14.7119.



This preview shows how white text looks on a background with the XYZ color 8.5039, 12.0617,

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

8.5039, 12.0617, 14.7119

Protanopia

11.5316, 12.0466, 12.7838

Deuteranopia

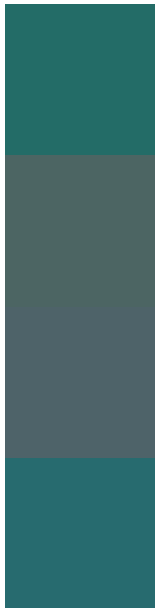
12.0837, 11.8708, 15.2901



Tritanopia

9.1630, 12.0173, 18.0563

Trichromacy



Original Color

8.5039, 12.0617, 14.7119

Protanomaly

9.8863, 11.7447, 13.5503

Deuteranomaly

10.1535, 11.5633, 15.0614

Tritanomaly

8.9636, 12.0944, 16.9009

Monochromacy



Original Color

8.5039, 12.0617, 14.7119

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.2492, 9.9714, 11.6151

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.5039, 12.0617, 14.7119 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(35, 108, 103)` looks like.

```
.text, #text, p{  
    color:rgb(35, 108, 103)  
}
```

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(35, 108, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 108, 103) }
```

Border

The CSS property to change the border of an element to XYZ 8.5039, 12.0617, 14.7119 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(35, 108, 103) }
```


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

```
.border{ border-color:rgb(35, 108, 103) }
```

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

Here you see how a box with a 4 pixel rgb(35, 108, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 108, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 108, 103);  
box-shadow:4px 4px 4px 4px rgb(35, 108,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 8.5039, 12.0617, 14.7119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 108, 103) }
```

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

```
.background{ background-color: rgb(35, 108,  
103) }
```

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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