

Converting Colors

XYZ(8.4456, 12.9778, 2.5231)

Have a look what the booklet for
XYZ(8.4456, 12.9778, 2.5231)
contains.

XYZ(8.4062, 12.9249, 2.5036)	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(8.4062, 12.9249,
2.5036)**

Conversions

Conversions Part 1

Format	Color
Hex	46700F
RGB	70, 112, 15
RGB Percent	27%, 44%, 6%
CMY	0.7255, 0.5608, 0.9412
CMYK	0.38, 0.00, 0.87, 0.56
HSL	86°, 76%, 25%
HSV	86°, 87%, 44%
XYZ	8.4062, 12.9249, 2.5036
YIQ	88.3840, 6.1050, -39.0710

Conversions

Conversions Part 2

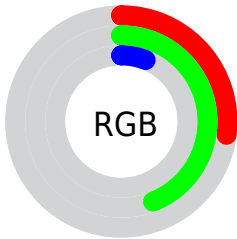
Format	Color
RYB	15, 112, 57
Decimal	4616207
CIELab	42.65, -30.03, 44.25
CIELCh	43, 53.477, 124.164
Yxy	12.9249, 0.3527, 0.5423
Android (android.graphics.Color)	4282806287 (0xFF46700F)
YUV	88.3840, -36.1783, -16.1228
Hunter-Lab	35.9512, -21.1773, 21.0370

Details

The XYZ color **8.4062, 12.9249, 2.5036** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **4.7833, 2.3817, 15.5375**, and the grayscale version is **9.4362, 9.9276, 10.8112**.

A 20% lighter version of the original color is **22.3449, 31.1058, 10.2952**, and **2.0828, 3.7954, 0.6228** is the 20% darker color. If you saturate the color by 10%, you get **8.0052, 12.7262, 2.1437**, and if you desaturate by 10%, it is **8.8731, 13.1542, 3.0606**.

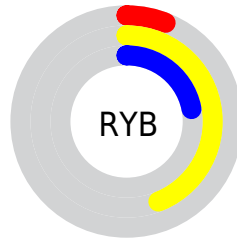
Distribution



 Red (27%)

 Green (44%)

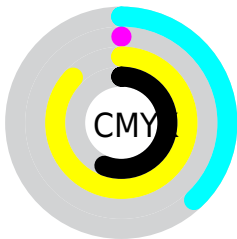
 Blue (6%)




 Red (6%)

 Yellow (44%)

 Blue (22%)

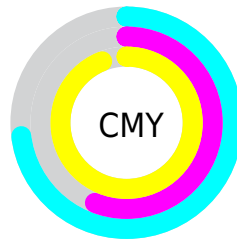


 Cyan (38%)


 Magenta (0%)

 Yellow (87%)

 Black (56%)



 Cyan (73%)


 Magenta (56%)


 Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.4062, 12.9249, 2.5036 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 8.4062, 12.9249, 2.5036 by changing the saturation by 10% instead.


 8.4062, 12.9249,
2.5036


 8.4062, 12.9249,
2.5036


173.1868,
210.4358, 129.7629


 4.4099, 7.3769,
0.8421


 22.4289, 31.1688,
10.3768


 1.9366, 3.6989,
0.0000

 33.1860, 44.6334,
17.4306


 0.5979, 1.5066,
0.0000

 46.9274, 61.5057,
27.1207

 0.0000, 0.2934,
0.0000


 64.0185, 82.1701,
39.8654


 0.0000, 0.0000,
0.0000


 84.8246, 107.0109,
56.0835


 109.7112,


136.4125, 76.1934


 139.0434,
170.7593, 100.6137


 8.4062, 12.9249,
2.5036


 8.4062, 12.9249,
2.5036


 8.0052, 12.7262,
2.1437


 8.8731, 13.1542,
3.0606

 7.8766, 12.6623,
2.0289

 9.4178, 13.4174,
3.8772

 10.0461, 13.7176,
4.9804

 10.7632, 14.0567,
6.3939

 11.5737, 14.4368,
8.1387

■ 12.4817, 14.8595,
10.2340

■ 13.4913, 15.3264,
12.6976

■ 14.6060, 15.8392,
15.5461

■ 15.8294, 16.3992,
18.7950

Harmonies

Analogous

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



11.7273, 12.9249, 1.4850



8.4062, 12.9249, 2.5036



6.5191, 12.9249, 6.4131

Triad

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



8.4062, 12.9249, 2.5036



9.1908, 12.9249, 45.2515



21.8160, 12.9249, 12.5131

Complementary

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



8.4062, 12.9249, 2.5036



4.7833, 2.3817, 15.5375

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.



20.7223, 12.9249, 26.2178



8.4062, 12.9249, 2.5036



12.8596, 12.9249, 50.1518

Square

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



8.4062, 12.9249, 2.5036



6.8972, 12.9249, 30.7036



17.2034, 12.9249, 41.8105



19.9304, 12.9249, 4.8897

Rectangle

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



8.4062, 12.9249, 2.5036



6.0467, 12.9249, 11.9227



17.2034, 12.9249, 41.8105



21.7870, 12.9249, 16.4674

Sweetspot

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



8.4065, 12.9255, 2.5039



21.9134, 26.0973, 17.9469



8.1549, 6.2518, 1.2290



5.1594, 6.2209, 4.0637



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



8.4065, 12.9255, 2.5039



13.6945, 22.1703, 3.5575



6.2360, 11.8065, 2.4023



3.5091, 3.8478, 3.6311



9.0791, 14.6241, 2.3442



44.2242, 72.3324, 11.6307

Inverse Universe

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



4.7833, 2.3817, 15.5375



7.1839, 3.1099, 27.1514



8.7952, 4.4499, 15.7253



3.3419, 3.3645, 4.2275



4.7919, 2.0798, 17.8705



22.9188, 9.8694, 88.9762

Previews

White Background



This preview shows how the XYZ color 8.4062, 12.9249, 2.5036 looks on a white background.

Color Contrast Check

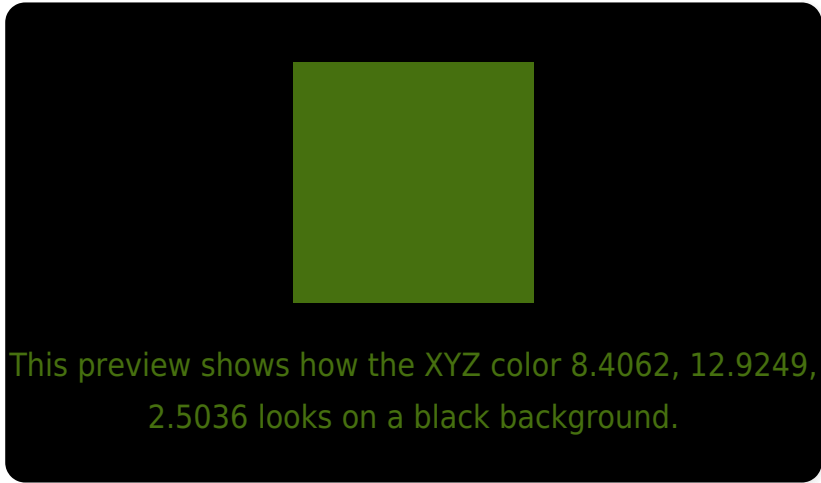
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 8.4062, 12.9249, 2.5036

Background



This preview shows how black text looks on a background with the XYZ color 8.4062, 12.9249, 2.5036.



This preview shows how white text looks on a background with the XYZ color 8.4062, 12.9249,

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

8.4062, 12.9249, 2.5036

Protanopia

11.5241, 12.8422, 2.1880

Deuteranopia

12.8828, 12.6946, 2.7486



Tritanopia

11.4106, 12.8867, 17.5088

Trichromacy



Original Color

8.4062, 12.9249, 2.5036

Protanomaly

10.0477, 12.6711, 2.2640

Deuteranomaly

10.7424, 12.4295, 2.5920

Tritanomaly

9.7391, 12.6709, 8.9536

Monochromacy



Original Color

8.4062, 12.9249, 2.5036

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.5103, 10.6356, 6.0192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4062, 12.9249, 2.5036 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(70, 112, 15)` looks like.

```
.text, #text, p{  
    color:rgb(70, 112, 15)  
}
```

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(70, 112, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 112, 15) }
```

Border

The CSS property to change the border of an element to XYZ 8.4062, 12.9249, 2.5036 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(70, 112, 15) }
```


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

```
.border{ border-color:rgb(70, 112, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 112, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 112, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 112, 15);  
box-shadow:4px 4px 4px 4px rgb(70, 112,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 8.4062, 12.9249, 2.5036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 112, 15) }
```

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

```
.background{ background-color: rgb(70, 112,  
15) }
```

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