

Converting Colors

XYZ(8.5075, 14.0109, 2.9296)

Have a look what the booklet for
XYZ(8.5075, 14.0109, 2.9296)
contains.

XYZ(8.4682, 13.9680, 2.9116)	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(8.4682, 13.9680,
2.9116)**

Conversions

Conversions Part 1

Format	Color
Hex	3C7614
RGB	60, 118, 20
RGB Percent	24%, 46%, 8%
CMY	0.7647, 0.5372, 0.9216
CMYK	0.49, 0.00, 0.83, 0.54
HSL	96°, 71%, 27%
HSV	96°, 83%, 46%
XYZ	8.4682, 13.9680, 2.9116
YIQ	89.4860, -3.1100, -42.7740

Conversions

Conversions Part 2

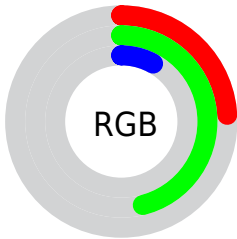
Format	Color
RYB	20, 118, 78
Decimal	3962388
CIELab	44.19, -36.11, 43.96
CIElCh	44, 56.892, 129.399
Yxy	13.9680, 0.3341, 0.5511
Android (android.graphics.Color)	4282152468 (0xFF3C7614)
YUV	89.4860, -34.2566, -25.8592
Hunter-Lab	37.3738, -24.9594, 21.5427

Details

The XYZ color **8.4682, 13.9680, 2.9116** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **6.6628, 3.4285, 17.4508**, and the grayscale version is **9.6782, 10.1822, 11.0885**.

A 20% lighter version of the original color is **22.5756, 33.1176, 11.5058**, and **2.1281, 4.2562, 0.7094** is the 20% darker color. If you saturate the color by 10%, you get **7.9927, 13.7327, 2.4650**, and if you desaturate by 10%, it is **9.0505, 14.2534, 3.6268**.

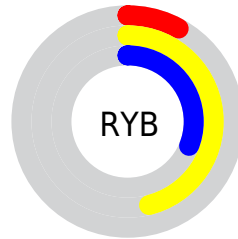
Distribution



Red (24%)

Green (46%)

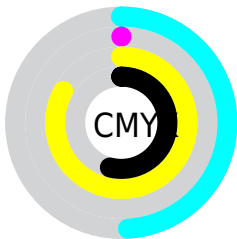
Blue (8%)



Red (8%)

Yellow (46%)

Blue (31%)

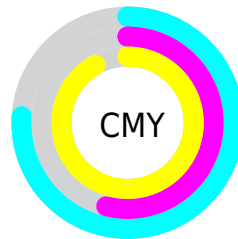


Cyan (49%)

Magenta (0%)

Yellow (83%)

Black (54%)



Cyan (76%)

Magenta (54%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.4682, 13.9680, 2.9116 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 8.4682, 13.9680, 2.9116 by changing the saturation by 10% instead.

■ 8.4682, 13.9680,
2.9116

■ 8.4682, 13.9680,
2.9116

173.6520,
217.0317, 135.2266

■ 4.4503, 8.0984,
1.0497

■ 22.5481, 33.0322,
11.4095

■ 1.9599, 4.1580,
0.0000

■ 33.3407, 46.9957,
18.8826

■ 0.6113, 1.7623,
0.0000

■ 47.1223, 64.4259,
29.0631

■ 0.0000, 0.4635,
0.0000


■ 64.2582, 85.7072,
42.3697


■ 0.0000, 0.0000,
0.0000


■ 85.1138, 111.2240,
59.2207


■ 110.0544,


141.3608, 80.0349


 139.4453,
176.5019, 105.2307


 8.4682, 13.9680,
2.9116


 8.4682, 13.9680,
2.9116


 7.9927, 13.7327,
2.4650


 9.0505, 14.2534,
3.6268

 7.7052, 13.5897,
2.2170

 9.7476, 14.5909,
4.6467

 10.5674, 14.9844,
6.0009

 11.5166, 15.4368,
7.7152

 12.6014, 15.9507,
9.8129

■ 13.8275, 16.5287,
12.3153

■ 15.2003, 17.1730,
15.2421

■ 16.7249, 17.8860,
18.6120

■ 18.4060, 18.6696,
22.4421

Harmonies

Analogous

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



11.9003, 13.9680, 1.4718



8.4682, 13.9680, 2.9116



6.6638, 13.9680, 7.9958

Triad

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



8.4682, 13.9680, 2.9116



10.4339, 13.9680, 52.6956



23.8921, 13.9680, 11.4786

Complementary

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



8.4682, 13.9680, 2.9116



6.6628, 3.4285, 17.4508

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.



23.2451, 13.9680, 25.8177



8.4682, 13.9680, 2.9116



14.7542, 13.9680, 55.6429

Square

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



8.4682, 13.9680, 2.9116



7.6059, 13.9680, 37.2516



19.6274, 13.9680, 43.8847



21.2341, 13.9680, 4.2158

Rectangle

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



8.4682, 13.9680, 2.9116



6.3175, 13.9680, 14.9477



19.6274, 13.9680, 43.8847



24.0653, 13.9680, 15.4728

Sweetspot

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



8.4685, 13.9686, 2.9119



23.7328, 28.7890, 20.4503



10.2636, 9.2338, 1.9034



5.3189, 6.5542, 4.4196



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



8.4685, 13.9686, 2.9119



13.4058, 23.8210, 3.8914



6.9789, 13.1908, 3.2876



3.7691, 4.1644, 3.9475



8.3219, 14.6945, 2.3977



39.6332, 71.1334, 11.6412

Inverse Universe

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



6.6628, 3.4285, 17.4508



10.0205, 4.5015, 30.4777



10.5273, 5.4744, 15.2068



3.6889, 3.6870, 4.6075



6.2434, 2.8099, 18.7559



29.4357, 13.1831, 91.3535

Previews

White Background



This preview shows how the XYZ color 8.4682, 13.9680, 2.9116 looks on a white background.

Color Contrast Check

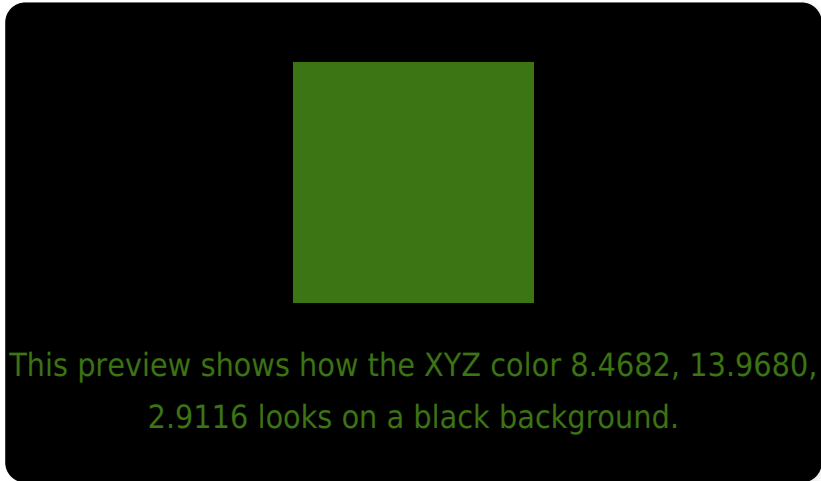
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.4682, 13.9680, 2.9116

Background



This preview shows how black text looks on a background with the XYZ color 8.4682, 13.9680, 2.9116.



This preview shows how white text looks on a background with the XYZ color 8.4682, 13.9680,

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

8.4682, 13.9680, 2.9116

Protanopia

12.3800, 13.7199, 2.4859

Deuteranopia

13.9151, 13.7684, 3.2205



Tritanopia

11.8074, 13.9796, 19.5288

Trichromacy



Original Color

8.4682, 13.9680, 2.9116

Protanomaly

10.3937, 13.4645, 2.5814

Deuteranomaly

11.1776, 13.3905, 3.0324

Tritanomaly

9.9922, 13.7369, 10.3084

Monochromacy



Original Color

8.4682, 13.9680, 2.9116

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.6245, 11.1042, 6.5393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4682, 13.9680, 2.9116 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(60, 118, 20)` looks like.

```
.text, #text, p{  
    color:rgb(60, 118, 20)  
}
```

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(60, 118, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 118, 20) }
```

Border

The CSS property to change the border of an element to XYZ 8.4682, 13.9680, 2.9116 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(60, 118, 20) }
```


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

```
.border{ border-color:rgb(60, 118, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 118, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 118, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 118, 20);  
box-shadow:4px 4px 4px 4px rgb(60, 118,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 8.4682, 13.9680, 2.9116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 118, 20) }
```

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

```
.background{ background-color: rgb(60, 118,  
20) }
```

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