

Converting Colors

XYZ(7.8254, 13.9524, 0.7491)

Have a look what the booklet for
XYZ(7.8254, 13.9524, 0.7491)
contains.

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Color

**XYZ(8.1847, 14.1898,
2.3075)**

Conversions

Conversions Part 1

Format	Color
Hex	357800
RGB	53, 120, 0
RGB Percent	21%, 47%, 0%
CMY	0.7922, 0.5294, 1.0000
CMYK	0.56, 0.00, 1.00, 0.53
HSL	94°, 100%, 24%
HSV	94°, 100%, 47%
XYZ	8.1847, 14.1898, 2.3075
YIQ	86.2870, -1.4120, -51.5240

Conversions

Conversions Part 2

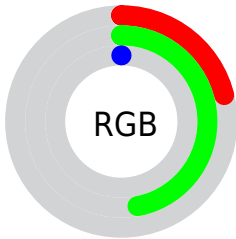
Format	Color
RYB	0, 120, 67
Decimal	3504128
CIELab	44.50, -40.00, 48.97
CIELCh	45, 63.228, 129.240
Yxy	14.1898, 0.3316, 0.5749
Android (android.graphics.Color)	4281694208 (0xFF357800)
YUV	86.2870, -42.5395, -29.1927
Hunter-Lab	37.6694, -27.1373, 22.7366

Details

The XYZ color **8.1847, 14.1898, 2.3075** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.7056, 2.5498, 17.9615**, and the grayscale version is **8.9950, 9.4635, 10.3057**.

A 20% lighter version of the original color is **21.9974, 33.4231, 9.8493**, and **2.1902, 4.3803, 0.7301** is the 20% darker color. If you saturate the color by 10%, you get **8.1848, 14.1903, 2.3076**, and if you desaturate by 10%, it is **8.6286, 14.4114, 2.6749**.

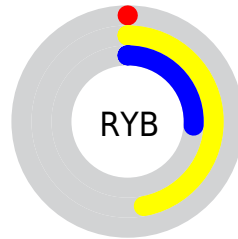
Distribution



Red (21%)

Green (47%)

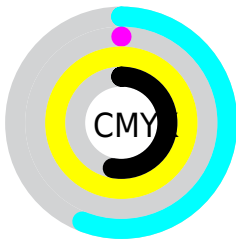
Blue (0%)



Red (0%)

Yellow (47%)

Blue (26%)

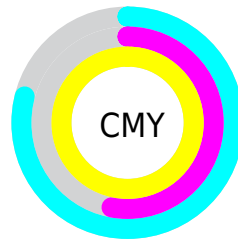


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (79%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1847, 14.1898, 2.3075 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 8.1847, 14.1898, 2.3075 by changing the saturation by 10% instead.

■ 8.1847, 14.1898,
2.3075

■ 8.1847, 14.1898,
2.3075

171.5128,
218.4084, 126.9825

■ 4.2662, 8.2528,
0.7354

■ 22.0017, 33.4254,
9.8656

■ 1.8538, 4.2571,
0.0000

■ 32.6309, 47.4928,
16.7064

■ 0.5498, 1.8184,
0.0000

■ 46.2276, 65.0391,
26.1463

■ 0.0000, 0.4986,
0.0000


■ 63.1574, 86.4488,
38.6039


■ 0.0000, 0.0000,
0.0000


■ 83.7854, 112.1061,
54.4978


■ 108.4770,


142.3956, 74.2465


 137.5977,
177.7016, 98.2685


 8.1847, 14.1898,
2.3075


 8.1847, 14.1898,
2.3075


 8.1848, 14.1903,
2.3076

 8.6286, 14.4114,
2.6749

 9.1556, 14.6717,
3.2139

 9.7907, 14.9814,
4.0453

 10.5420, 15.3439,
5.2031

 11.4168, 15.7622,
6.7167

■ 12.4216, 16.2393,
8.6120

■ 13.5622, 16.7776,
10.9127

■ 14.8444, 17.3795,
13.6405

■ 16.2734, 18.0474,
16.8155

Harmonies

Analogous

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



11.9723, 14.1898, 1.0018



8.1847, 14.1898, 2.3075



6.2366, 14.1898, 7.4784

Triad

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



8.1847, 14.1898, 2.3075



10.3002, 14.1898, 59.4221



25.6711, 14.1898, 11.3639

Complementary

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



8.1847, 14.1898, 2.3075



5.7056, 2.5498, 17.9615

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.



24.8964, 14.1898, 27.7009



8.1847, 14.1898, 2.3075



15.1243, 14.1898, 63.0773

Square

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



8.1847, 14.1898, 2.3075



7.2267, 14.1898, 40.9065



20.6926, 14.1898, 49.0220



22.6005, 14.1898, 3.6218

Rectangle

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



8.1847, 14.1898, 2.3075



5.8639, 14.1898, 15.0807



20.6926, 14.1898, 49.0220



25.8658, 14.1898, 15.8259

Sweetspot

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



8.1850, 14.1904, 2.3078



23.6957, 29.4337, 18.8679



9.6945, 7.8902, 1.0122



5.4483, 6.8967, 4.1290



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



8.1850, 14.1904, 2.3078



14.2459, 24.8803, 4.0515



6.7497, 13.4467, 2.4122



4.1033, 4.5285, 4.2823



8.9129, 15.4720, 2.5166



41.5694, 73.3152, 11.9603

Inverse Universe

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



5.7056, 2.5498, 17.9615



9.8795, 4.4043, 31.5825



10.7835, 5.2083, 16.3573



3.9917, 3.9936, 5.0036



6.2075, 2.7729, 19.5933



28.6196, 12.7160, 93.4158

Previews

White Background



This preview shows how the XYZ color 8.1847, 14.1898, 2.3075 looks on a white background.

Color Contrast Check

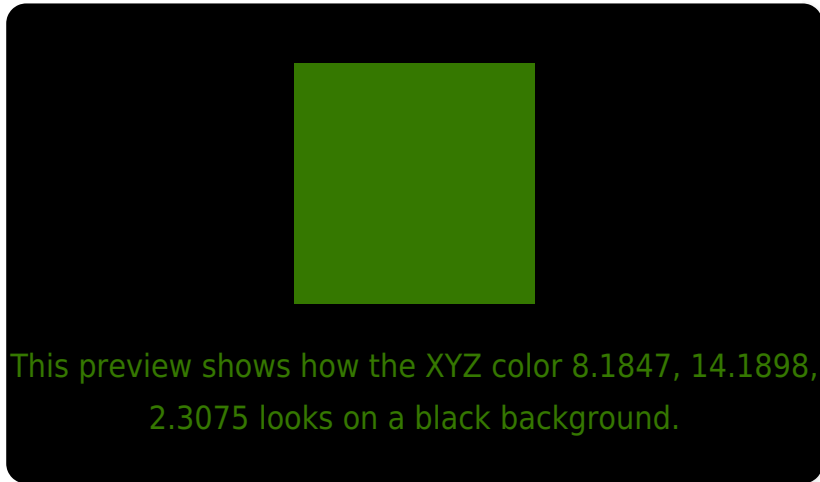
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.1847, 14.1898, 2.3075

Background



This preview shows how black text looks on a background with the XYZ color 8.1847, 14.1898, 2.3075.



This preview shows how white text looks on a background with the XYZ color 8.1847, 14.1898,

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

8.1847, 14.1898, 2.3075

Protanopia

12.5228, 13.9547, 2.0335

Deuteranopia

14.1530, 13.8994, 2.8566



Tritanopia

11.8439, 14.3084, 20.2267

Trichromacy



Original Color

8.1847, 14.1898, 2.3075

Protanomaly

10.1920, 13.5315, 2.0747

Deuteranomaly

10.9447, 13.4364, 2.5068

Tritanomaly

9.5846, 13.8873, 9.1965

Monochromacy



Original Color

8.1847, 14.1898, 2.3075

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

7.8813, 10.4670, 5.2194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1847, 14.1898, 2.3075 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(53, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(53, 120, 0)  
}
```

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(53, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 120, 0) }
```

Border

The CSS property to change the border of an element to XYZ 8.1847, 14.1898, 2.3075 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(53, 120, 0) }
```


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

```
.border{ border-color:rgb(53, 120, 0) }
```

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

Here you see how a box with a 4 pixel rgb(53, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(53, 120, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.1847, 14.1898, 2.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 120, 0) }
```

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

```
.background{ background-color: rgb(53, 120,  
0) }
```

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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