

Converting Colors

XYZ(8.3381, 14.8778, 3.7216)

Have a look what the booklet for
XYZ(8.3381, 14.8778, 3.7216)
contains.

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Color

**XYZ(8.4098, 15.0065,
3.7496)**

Conversions

Conversions Part 1

Format	Color
Hex	2A7C1F
RGB	42, 124, 31
RGB Percent	16%, 49%, 12%
CMY	0.8353, 0.5137, 0.8784
CMYK	0.66, 0.00, 0.75, 0.51
HSL	113°, 60%, 30%
HSV	113°, 75%, 49%
XYZ	8.4098, 15.0065, 3.7496
YIQ	88.8800, -19.0190, -46.3070

Conversions

Conversions Part 2

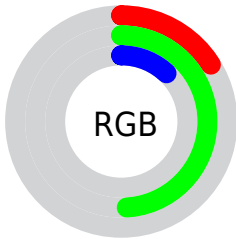
Format	Color
R_{YB}	31, 124, 113
Decimal	2784287
CIE _{Lab}	45.64, -42.90, 41.21
CIE _{LCh}	46, 59.489, 136.150
Yxy	15.0065, 0.3096, 0.5524
Android (android.graphics.Color)	4280974367 (0xFF2A7C1F)
YUV	88.8800, -28.5348, -41.1138
Hunter-Lab	38.7382, -29.0408, 21.3779

Details

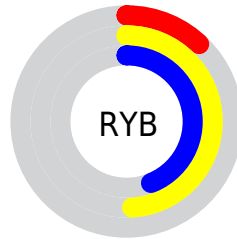
The XYZ color **8.4098, 15.0065, 3.7496** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **10.9392, 5.9466, 19.6409**, and the grayscale version is **9.5334, 10.0299, 10.9225**.

A 20% lighter version of the original color is **22.3529, 34.6910, 13.3025**, and **2.4488, 4.8976, 0.8163** is the 20% darker color. If you saturate the color by 10%, you get **7.8892, 14.7540, 3.0305**, and if you desaturate by 10%, it is **9.1162, 15.3484, 4.8066**.

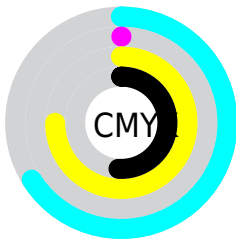
Distribution



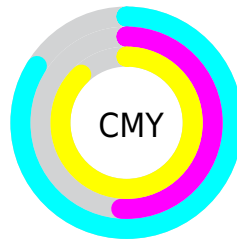
- Red (16%)
- Green (49%)
- Blue (12%)



- Red (12%)
- Yellow (49%)
- Blue (44%)



- Cyan (66%)
- Magenta (0%)
- Yellow (75%)
- Black (51%)



- Cyan (84%)
- Magenta (51%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.4098, 15.0065, 3.7496 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 8.4098, 15.0065, 3.7496 by changing the saturation by 10% instead.

■ 8.4098, 15.0065,
3.7496

■ 8.4098, 15.0065,
3.7496

173.2139,
223.4056, 145.4001

■ 4.4123, 8.8239,
1.4890

■ 22.4358, 34.8646,
13.4280

■ 1.9379, 4.6265,
0.2097

■ 33.1950, 49.3089,
21.6829

■ 0.5987, 2.0298,
0.0000

■ 46.9387, 67.2759,
32.7730

■ 0.0000, 0.6247,
0.0000


■ 64.0324, 89.1501,
47.1168


■ 0.0000, 0.0000,
0.0000


■ 84.8414, 115.3157,
65.1329


■ 109.7311,


146.1572, 87.2398


 139.0668,
182.0591, 113.8560


 8.4098, 15.0065,
3.7496


 8.4098, 15.0065,
3.7496


 7.8892, 14.7540,
3.0305


 9.1162, 15.3484,
4.8066


 7.5331, 14.5797,
2.5952

 10.0227, 15.7851,
6.2348

 7.3995, 14.5147,
2.4116

 11.1437, 16.3237,
8.0650

 12.4918, 16.9700,
10.3241

 14.0786, 17.7296,
13.0371

■ 15.9149, 18.6076,
16.2267

■ 18.0108, 19.6086,
19.9144

■ 20.3761, 20.7373,
24.1201

■ 23.0198, 21.9980,
28.8629

Harmonies

Analogous

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



11.7609, 15.0065, 1.6150



8.4098, 15.0065, 3.7496



6.8370, 15.0065, 10.6123

Triad

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



8.4098, 15.0065, 3.7496



12.0906, 15.0065, 60.0795



25.5864, 15.0065, 9.8343

Complementary

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



8.4098, 15.0065, 3.7496



10.9392, 5.9466, 19.6409

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.



25.7336, 15.0065, 23.8269



8.4098, 15.0065, 3.7496



17.0974, 15.0065, 59.4030

Square

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



8.4098, 15.0065, 3.7496



8.6024, 15.0065, 45.1878



22.3477, 15.0065, 43.6708



21.9829, 15.0065, 3.4652

Rectangle

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



8.4098, 15.0065, 3.7496



6.7010, 15.0065, 19.4587



22.3477, 15.0065, 43.6708



26.0661, 15.0065, 13.5729

Sweetspot

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



8.4102, 15.0071, 3.7499



25.5324, 31.5614, 24.2513



14.3103, 15.8851, 3.6084



5.8561, 7.3580, 5.4400



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



8.4102, 15.0071, 3.7499



13.4102, 25.7312, 4.7526



8.7303, 15.0902, 7.4692



3.9909, 4.4706, 4.2771



7.5206, 14.7542, 2.4515



35.4829, 70.1775, 11.6755

Inverse Universe

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



10.9392, 5.9466, 19.6409



18.0124, 8.8226, 34.3102



10.6440, 6.0019, 10.2487



4.1101, 4.0546, 5.0092



10.1508, 4.8057, 19.7779



47.9506, 22.6814, 94.3205

Previews

White Background



This preview shows how the XYZ color 8.4098, 15.0065, 3.7496 looks on a white background.

Color Contrast Check

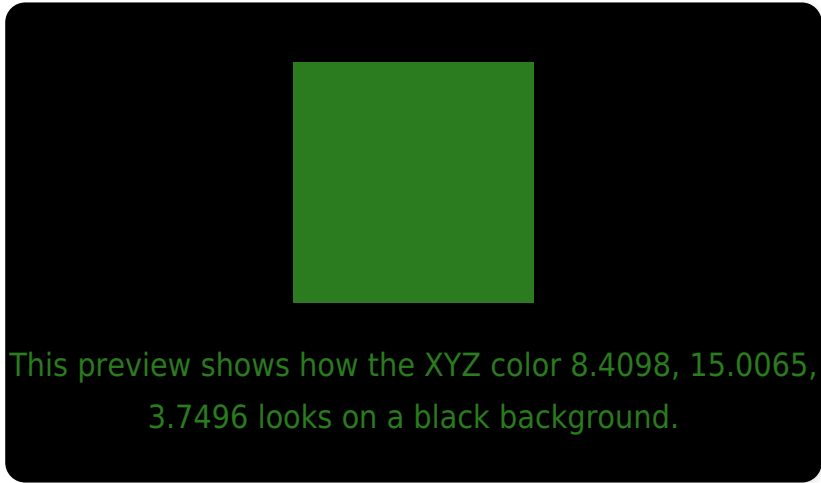
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.4098, 15.0065, 3.7496

Background



This preview shows how black text looks on a background with the XYZ color 8.4098, 15.0065, 3.7496.



This preview shows how white text looks on a background with the XYZ color 8.4098, 15.0065,

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

8.4098, 15.0065, 3.7496

Protanopia

13.4455, 14.8692, 3.1983

Deuteranopia

14.9659, 14.7243, 4.0608



Tritanopia

12.0614, 15.0614, 21.6735

Trichromacy



Original Color

8.4098, 15.0065, 3.7496

Protanomaly

10.6405, 14.3938, 3.3161

Deuteranomaly

11.2767, 14.0521, 3.8683

Tritanomaly

10.1160, 14.7897, 12.2191

Monochromacy



Original Color

8.4098, 15.0065, 3.7496

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.4672, 11.2978, 7.2033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4098, 15.0065, 3.7496 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(42, 124, 31)` looks like.

```
.text, #text, p{  
    color:rgb(42, 124, 31)  
}
```

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(42, 124, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 124, 31) }
```

Border

The CSS property to change the border of an element to XYZ 8.4098, 15.0065, 3.7496 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(42, 124, 31) }
```


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

```
.border{ border-color:rgb(42, 124, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 124, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 124, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 124, 31);  
box-shadow:4px 4px 4px 4px rgb(42, 124,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 8.4098, 15.0065, 3.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 124, 31) }
```

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

```
.background{ background-color: rgb(42, 124,  
31) }
```

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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