

Converting Colors

XYZ(14.6381, 21.8047, 0.7752)

Have a look what the booklet for
XYZ(14.6381, 21.8047, 0.7752)
contains.

XYZ(15.1184, 21.9333, 3.4367)	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(15.1184, 21.9333,
3.4367)**

Conversions

Conversions Part 1

Format	Color
Hex	678D00
RGB	103, 141, 0
RGB Percent	40%, 55%, 0%
CMY	0.5961, 0.4470, 1.0000
CMYK	0.27, 0.00, 1.00, 0.45
HSL	76°, 100%, 28%
HSV	76°, 100%, 55%
XYZ	15.1184, 21.9333, 3.4367
YIQ	113.5640, 22.6130, -51.9070

Conversions

Conversions Part 2

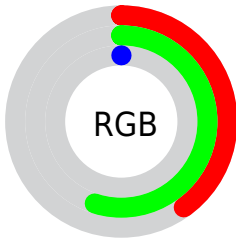
Format	Color
RYB	0, 141, 38
Decimal	6786304
CIELab	53.96, -30.62, 57.41
CIElCh	54, 65.066, 118.078
Yxy	21.9333, 0.3734, 0.5417
Android (android.graphics.Color)	4284976384 (0xFF678D00)
YUV	113.5640, -55.9871, -9.2646
Hunter-Lab	46.8330, -24.3353, 28.4323

Details

The XYZ color **15.1184, 21.9333, 3.4367** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.6079, 2.3357, 25.3558**, and the grayscale version is **16.0219, 16.8563, 18.3565**.

A 20% lighter version of the original color is **34.6590, 46.7167, 12.6593**, and **5.0565, 8.1603, 1.3086** is the 20% darker color. If you saturate the color by 10%, you get **15.1185, 21.9341, 3.4369**, and if you desaturate by 10%, it is **15.6448, 22.1962, 3.8791**.

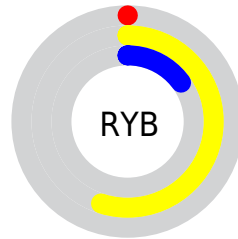
Distribution



Red (40%)

Green (55%)

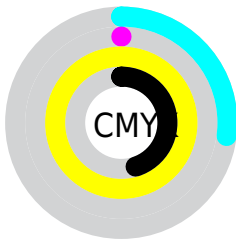
Blue (0%)



Red (0%)

Yellow (55%)

Blue (15%)

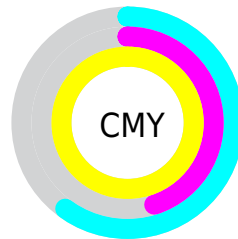


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (60%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1184, 21.9333, 3.4367 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 15.1184, 21.9333, 3.4367 by changing the saturation by 10% instead.

■ 15.1184, 21.9333,
3.4367

■ 15.1184, 21.9333,
3.4367

217.4559,
262.1978, 141.7419

■ 8.9894, 13.8079,
1.3217

■ 34.6307, 46.6357,
12.6882

■ 4.7913, 7.9872,
0.0795

■ 48.7447, 63.9816,
20.6619

■ 2.1588, 4.0867,
0.0000

■ 66.2511, 85.1696,
31.4255

■ 0.7209, 1.7222,
0.0000

■ 87.5152, 110.5844,
45.3976


■ 0.0000, 0.4380,
0.0000


■ 112.9024,
140.6102, 62.9968


■ 0.0000, 0.0000,
0.0000


■ 142.7780,


175.6314, 84.6415


 177.5074,
216.0325, 110.7504


 15.1184, 21.9333,
3.4367


 15.1184, 21.9333,
3.4367


 15.1185, 21.9341,
3.4369

 15.6448, 22.1962,
3.8791

 16.2429, 22.4892,
4.5966

 16.9406, 22.8245,
5.7325

 17.7480, 23.2060,
7.3381

 18.6735, 23.6372,
9.4576

■ 19.7249, 24.1211,
12.1299

■ 20.9090, 24.6606,
15.3903

■ 22.2323, 25.2583,
19.2710

■ 23.7006, 25.9165,
23.8020

Harmonies

Analogous

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



21.3029, 21.9333, 2.3374



15.1184, 21.9333, 3.4367



11.3624, 21.9333, 8.7204

Triad

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



15.1184, 21.9333, 3.4367



14.4944, 21.9333, 73.9985



37.4524, 21.9333, 25.2015

Complementary

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



15.1184, 21.9333, 3.4367



5.6079, 2.3357, 25.3558

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.



34.5272, 21.9333, 50.7017



15.1184, 21.9333, 3.4367



20.3976, 21.9333, 87.0781

Square

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



15.1184, 21.9333, 3.4367



11.0631, 21.9333, 47.0825



27.8657, 21.9333, 76.7880



35.1647, 21.9333, 9.9184

Rectangle

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



15.1184, 21.9333, 3.4367



10.2344, 21.9333, 16.7541



27.8657, 21.9333, 76.7880



37.0350, 21.9333, 32.7887

Sweetspot

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



15.1189, 21.9343, 3.4372



37.2975, 44.0951, 27.1474



11.6657, 7.0243, 0.7413



8.1506, 9.7670, 5.5597



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.1189, 21.9343, 3.4372



26.9070, 39.1926, 6.1468



10.1497, 19.3725, 3.2046



5.6997, 6.2133, 5.7883



13.8001, 20.0068, 3.1344



0.1530, 0.2021, 0.0310

Inverse Universe

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



5.6079, 2.3357, 25.3558



9.9001, 4.1091, 45.3992



11.0052, 5.1181, 25.6084



5.2575, 5.3209, 6.7787



5.1263, 2.1363, 23.1192



0.0677, 0.0301, 0.2219

Previews

White Background



This preview shows how the XYZ color 15.1184, 21.9333, 3.4367 looks on a white 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

Black Background



This preview shows how the XYZ color 15.1184, 21.9333, 3.4367 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1184, 21.9333, 3.4367

Background



This preview shows how black text looks on a background with the XYZ color 15.1184, 21.9333, 3.4367.



This preview shows how white text looks on a background with the XYZ color 15.1184, 21.9333,

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

15.1184, 21.9333, 3.4367

Protanopia

19.5273, 21.7203, 3.1632

Deuteranopia

22.0463, 21.6750, 3.9990



Tritanopia

20.1265, 21.8687, 28.3596

Trichromacy



Original Color

15.1184, 21.9333, 3.4367

Protanomaly

17.5934, 21.5209, 3.2267

Deuteranomaly

18.9359, 21.4037, 3.6636

Tritanomaly

17.0650, 21.4456, 12.9129

Monochromacy



Original Color

15.1184, 21.9333, 3.4367

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.8407, 18.2113, 9.0363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1184, 21.9333, 3.4367 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(103, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(103, 141, 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(103, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 141, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.1184, 21.9333, 3.4367 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(103, 141, 0) }
```


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

```
.border{ border-color:rgb(103, 141, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 141, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(103, 141,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1184, 21.9333, 3.4367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 141, 0) }
```

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

```
.background{ background-color: rgb(103,  
141, 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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