

Converting Colors

XYZ(13.3809, 15.8116, 2.3467)

Have a look what the booklet for
XYZ(13.3809, 15.8116, 2.3467)
contains.

XYZ(13.3534, 15.8165, 2.3491)	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(13.3534, 15.8165,
2.3491)**

Conversions

Conversions Part 1

Format	Color
Hex	757200
RGB	117, 114, 0
RGB Percent	46%, 45%, 0%
CMY	0.5412, 0.5529, 1.0000
CMYK	0.00, 0.03, 1.00, 0.54
HSL	58°, 100%, 23%
HSV	58°, 100%, 46%
XYZ	13.3534, 15.8165, 2.3491
YIQ	101.9010, 38.3820, -34.8180

Conversions

Conversions Part 2

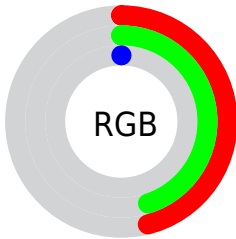
Format	Color
R_YB	3, 117, 0
Decimal	7696896
CIE Lab	46.73, -10.47, 52.48
CIE LCh	47, 53.517, 101.283
Yxy	15.8165, 0.4237, 0.5018
Android (android.graphics.Color)	4285886976 (0xFF757200)
YUV	101.9010, -50.2372, 13.2418
Hunter-Lab	39.7700, -9.6632, 24.3369

Details

The XYZ color **13.3534, 15.8165, 2.3491** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2435, 1.3496, 16.9190**, and the grayscale version is **12.7240, 13.3867, 14.5781**.

A 20% lighter version of the original color is **31.5467, 36.4020, 10.0662**, and **4.1282, 5.0202, 0.7514** is the 20% darker color. If you saturate the color by 10%, you get **13.3537, 15.8172, 2.3492**, and if you desaturate by 10%, it is **13.4522, 15.9108, 2.7006**.

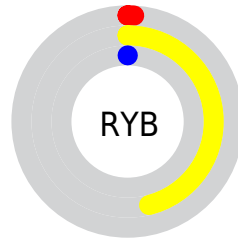
Distribution



Red (46%)

Green (45%)

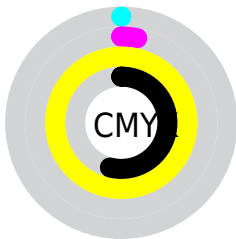
Blue (0%)



Red (1%)

Yellow (46%)

Blue (0%)

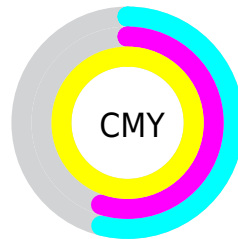


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (54%)



Cyan (54%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3534, 15.8165, 2.3491 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 13.3534, 15.8165, 2.3491 by changing the saturation by 10% instead.

■ 13.3534, 15.8165,
2.3491

■ 13.3534, 15.8165,
2.3491

206.7624,
228.2565, 127.5817

■ 7.7510, 9.3944,
0.7585

■ 31.5332, 36.2793,
9.9750

■ 3.9865, 4.9993,
0.0000

■ 44.8413, 51.0889,
16.8616

■ 1.6945, 2.2469,
0.0000

■ 61.4487, 69.4630,
26.3555

■ 0.4528, 0.7454,
0.0000


■ 81.7207, 91.7861,
38.8750


■ 0.0000, 0.0000,
0.0000


■ 106.0228,
118.4427, 54.8389


■ 134.7202,


149.8170, 74.6656


 168.1783,
186.2934, 98.7737


 13.3534, 15.8165,
2.3491


 13.3534, 15.8165,
2.3491


 13.3537, 15.8172,
2.3492

 13.4522, 15.9108,
2.7006

 13.5803, 16.0164,
3.2079

 13.7606, 16.1430,
3.9891

 13.9990, 16.2931,
5.0760

 14.3008, 16.4687,
6.4960

■ 14.6705, 16.6716,
8.2734

■ 15.1125, 16.9036,
10.4303

■ 15.6304, 17.1662,
12.9870

■ 16.2280, 17.4609,
15.9624

Harmonies

Analogous

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



18.0831, 15.8165, 2.5838



13.3534, 15.8165, 2.3491



9.8794, 15.8165, 4.2690

Triad

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



13.3534, 15.8165, 2.3491



9.2737, 15.8165, 40.1931



25.1708, 15.8165, 26.7959

Complementary

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



13.3534, 15.8165, 2.3491



3.2435, 1.3496, 16.9190

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.



21.7248, 15.8165, 44.4591



13.3534, 15.8165, 2.3491



12.3469, 15.8165, 54.5517

Square

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



13.3534, 15.8165, 2.3491



7.8687, 15.8165, 22.7231



16.8481, 15.8165, 56.4228



25.5955, 15.8165, 12.6883

Rectangle

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



13.3534, 15.8165, 2.3491



8.4851, 15.8165, 7.6275



16.8481, 15.8165, 56.4228



24.2987, 15.8165, 32.6556

Sweetspot

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



13.3538, 15.8172, 2.3494



26.9958, 30.2355, 18.3507



7.3575, 3.7906, 0.4561



6.1442, 6.9191, 3.9130



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.



13.3538, 15.8172, 2.3494



23.8973, 28.2931, 4.2016



8.3732, 13.7597, 2.2148



3.9590, 4.2510, 3.9541



14.7113, 17.4237, 2.5878



71.5890, 84.7065, 12.5768

Inverse Universe

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



3.2435, 1.3496, 16.9190



5.7923, 2.3850, 30.2920



4.7648, 2.0856, 16.9809



3.5074, 3.6035, 4.6009



3.5717, 1.4831, 18.6406



17.3091, 7.0348, 90.8058

Previews

White Background



This preview shows how the XYZ color 13.3534, 15.8165, 2.3491 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



This preview shows how the XYZ color 13.3534, 15.8165, 2.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

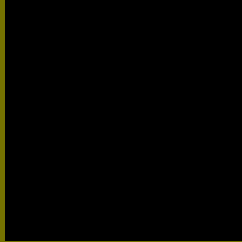
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3534, 15.8165, 2.3491

Background



This preview shows how black text looks on a background with the XYZ color 13.3534, 15.8165, 2.3491.



This preview shows how white text looks on a background with the XYZ color 13.3534, 15.8165,

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

13.3534, 15.8165, 2.3491

Protanopia

14.1419, 15.7289, 2.2906

Deuteranopia

15.9680, 15.7191, 2.7228



Tritanopia

16.5035, 15.8081, 18.1010

Trichromacy



Original Color

13.3534, 15.8165, 2.3491

Protanomaly

13.8202, 15.7259, 2.3070

Deuteranomaly

14.9387, 15.6548, 2.5509

Tritanomaly

14.5564, 15.4833, 8.5247

Monochromacy



Original Color

13.3534, 15.8165, 2.3491

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.1716, 13.8155, 7.0262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3534, 15.8165, 2.3491 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(117, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 114, 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(117, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 114, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.3534, 15.8165, 2.3491 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(117, 114, 0) }
```


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

```
.border{ border-color:rgb(117, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 114,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3534, 15.8165, 2.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 114, 0) }
```

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

```
.background{ background-color: rgb(117,  
114, 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](#).

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