

Converting Colors

XYZ(10.2475, 15.8776, 3.7146)

Have a look what the booklet for
XYZ(10.2475, 15.8776, 3.7146)
contains.

XYZ(10.3311, 15.9999, 3.7062)	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(10.3311, 15.9999,
3.7062)**

Conversions

Conversions Part 1

Format	Color
Hex	4B7C1D
RGB	75, 124, 29
RGB Percent	29%, 49%, 11%
CMY	0.7059, 0.5137, 0.8863
CMYK	0.40, 0.00, 0.77, 0.51
HSL	91°, 62%, 30%
HSV	91°, 77%, 49%
XYZ	10.3311, 15.9999, 3.7062
YIQ	98.5190, 1.2910, -39.9330

Conversions

Conversions Part 2

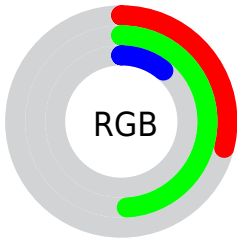
Format	Color
RYB	29, 124, 78
Decimal	4946973
CIELab	46.97, -32.82, 43.76
CIELCh	47, 54.701, 126.871
Yxy	15.9999, 0.3439, 0.5327
Android (android.graphics.Color)	4283137053 (0xFF4B7C1D)
YUV	98.5190, -34.2729, -20.6262
Hunter-Lab	39.9999, -23.8971, 22.5064

Details

The XYZ color **10.3311, 15.9999, 3.7062** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **7.2202, 3.9542, 19.4524**, and the grayscale version is **11.8223, 12.4380, 13.5450**.

A 20% lighter version of the original color is **26.0722, 36.6127, 13.2822**, and **2.7797, 5.0681, 0.8317** is the 20% darker color. If you saturate the color by 10%, you get **9.7323, 15.7060, 3.0328**, and if you desaturate by 10%, it is **11.0427, 16.3458, 4.7080**.

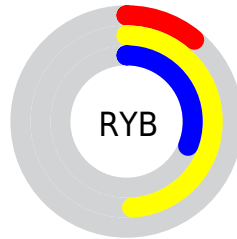
Distribution



Red (29%)

Green (49%)

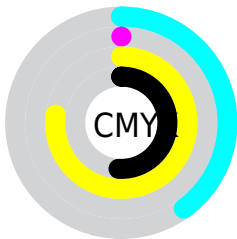
Blue (11%)



Red (11%)

Yellow (49%)

Blue (31%)

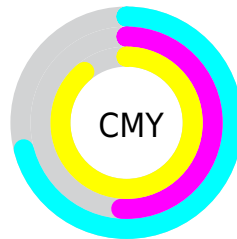


Cyan (40%)

Magenta (0%)

Yellow (77%)

Black (51%)



Cyan (71%)

Magenta (51%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3311, 15.9999, 3.7062 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 10.3311, 15.9999, 3.7062 by changing the saturation by 10% instead.

■ 10.3311, 15.9999,
3.7062

■ 10.3311, 15.9999,
3.7062

187.0238,
229.3411, 144.9016

■ 5.6830, 9.5241,
1.4656

■ 26.0605, 36.5980,
13.3263

■ 2.6921, 5.0846,
0.1921

■ 37.8725, 51.4891,
21.5429

■ 0.9931, 2.2970,
0.0000

■ 52.8031, 69.9541,
32.5885

■ 0.0000, 0.7721,
0.0000

■ 71.2178, 92.3774,
46.8817

■ 0.0000, 0.0000,
0.0000

■ 93.4818, 119.1433,
64.8411

■ 119.9606,

150.6363, 86.8852

151.0195,
187.2408, 113.4325

10.3311, 15.9999,
3.7062

10.3311, 15.9999,
3.7062

9.7323, 15.7060,
3.0328

11.0427, 16.3458,
4.7080

9.2307, 15.4561,
2.6175

11.8742, 16.7451,
6.0723

9.0738, 15.3779,
2.4900

12.8329, 17.2015,
7.8298

13.9255, 17.7176,
10.0079

15.1578, 18.2961,
12.6313

■ 16.5354, 18.9393,
15.7231

■ 18.0636, 19.6494,
19.3045

■ 19.7473, 20.4286,
23.3956

■ 21.5912, 21.2788,
28.0153

Harmonies

Analogous

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



14.1338, 15.9999, 2.1753



10.3311, 15.9999, 3.7062



8.2227, 15.9999, 8.9904

Triad

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



10.3311, 15.9999, 3.7062



11.8744, 15.9999, 54.5864



26.2832, 15.9999, 14.4571

Complementary

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



10.3311, 15.9999, 3.7062



7.2202, 3.9542, 19.4524

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.



25.3260, 15.9999, 29.9454



10.3311, 15.9999, 3.7062



16.3341, 15.9999, 58.8178

Square

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



10.3311, 15.9999, 3.7062



8.9745, 15.9999, 38.4770



21.4178, 15.9999, 48.1150



23.8118, 15.9999, 5.9170

Rectangle

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



10.3311, 15.9999, 3.7062



7.7506, 15.9999, 16.0233



21.4178, 15.9999, 48.1150



26.3586, 15.9999, 18.8981

Sweetspot

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



10.3315, 16.0006, 3.7065



27.3882, 32.5299, 23.8050



11.1537, 9.6125, 2.4302



6.2826, 7.5828, 5.2365



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.



10.3315, 16.0006, 3.7065



16.4486, 27.3001, 4.7783



7.9366, 14.7660, 3.5945



4.1184, 4.5363, 4.2830



9.2210, 15.6308, 2.5311



43.0105, 74.0582, 12.0278

Inverse Universe

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



7.2202, 3.9542, 19.4524



10.6727, 4.9733, 33.9540



12.3903, 6.6195, 19.6944



3.9764, 3.9857, 5.0029



5.8424, 2.5846, 19.5762



26.8818, 11.8201, 93.3345

Previews

White Background



This preview shows how the XYZ color 10.3311, 15.9999, 3.7062 looks on a white background.

Color Contrast Check

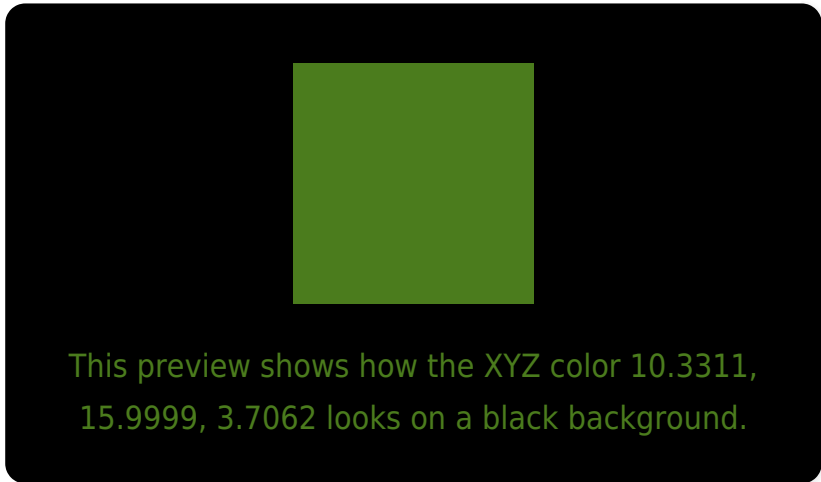
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3311, 15.9999, 3.7062

Background



This preview shows how black text looks on a background with the XYZ color 10.3311, 15.9999, 3.7062.



This preview shows how white text looks on a background with the XYZ color 10.3311, 15.9999,

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

10.3311, 15.9999, 3.7062

Protanopia

14.3283, 15.8034, 3.2725

Deuteranopia

16.0330, 15.7257, 3.9406



Tritanopia

13.9716, 16.0462, 21.7629

Trichromacy



Original Color

10.3311, 15.9999, 3.7062

Protanomaly

12.5066, 15.6957, 3.4073

Deuteranomaly

13.2854, 15.4168, 3.7889

Tritanomaly

12.0096, 15.7708, 12.0840

Monochromacy



Original Color

10.3311, 15.9999, 3.7062

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.8150, 13.3932, 8.4937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3311, 15.9999, 3.7062 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(75, 124, 29)` looks like.

```
.text, #text, p{  
    color:rgb(75, 124, 29)  
}
```

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(75, 124, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 124, 29) }
```

Border

The CSS property to change the border of an element to XYZ 10.3311, 15.9999, 3.7062 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(75, 124, 29) }
```


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

```
.border{ border-color:rgb(75, 124, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 124, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 124, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 124, 29);  
box-shadow:4px 4px 4px 4px rgb(75, 124,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3311, 15.9999, 3.7062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 124, 29) }
```

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

```
.background{ background-color: rgb(75, 124,  
29) }
```

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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