

Converting Colors

XYZ(10.7869, 15.5938, 3.0488)

Have a look what the booklet for
XYZ(10.7869, 15.5938, 3.0488)
contains.

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Color

**XYZ(10.7645, 15.5062,
3.0417)**

Conversions

Conversions Part 1

Format	Color
Hex	577813
RGB	87, 120, 19
RGB Percent	34%, 47%, 7%
CMY	0.6588, 0.5294, 0.9255
CMYK	0.28, 0.00, 0.84, 0.53
HSL	80°, 73%, 27%
HSV	80°, 84%, 47%
XYZ	10.7645, 15.5062, 3.0417
YIQ	98.6190, 12.7530, -38.4070

Conversions

Conversions Part 2

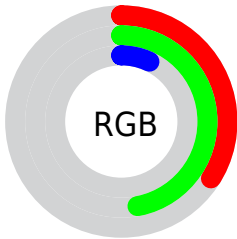
Format	Color
R_{YB}	19, 120, 52
Decimal	5732371
CIE Lab	46.32, -26.71, 46.76
CIE LCh	46, 53.853, 119.733
Yxy	15.5062, 0.3672, 0.5290
Android (android.graphics.Color)	4283922451 (0xFF577813)
YUV	98.6190, -39.2522, -10.1899
Hunter-Lab	39.3779, -20.1159, 22.9848

Details

The XYZ color **10.7645, 15.5062, 3.0417** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.0398, 2.5523, 17.9972**, and the grayscale version is **11.8576, 12.4751, 13.5854**.

A 20% lighter version of the original color is **26.7703, 35.5615, 11.7564**, and **3.0162, 4.8998, 0.7868** is the 20% darker color. If you saturate the color by 10%, you get **10.3294, 15.2916, 2.6083**, and if you desaturate by 10%, it is **11.2708, 15.7527, 3.7432**.

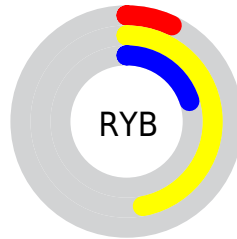
Distribution



 Red (34%)

 Green (47%)

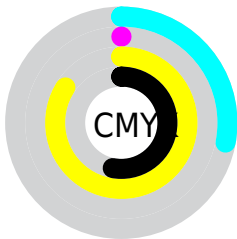
 Blue (7%)




 Red (7%)

 Yellow (47%)

 Blue (20%)

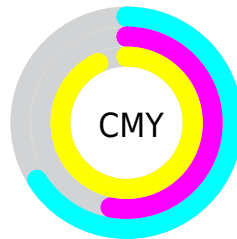


 Cyan (28%)


 Magenta (0%)

 Yellow (84%)

 Black (53%)



 Cyan (66%)

 Magenta (53%)

 Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7645, 15.5062, 3.0417 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 10.7645, 15.5062, 3.0417 by changing the saturation by 10% instead.

■ 10.7645, 15.5062,
3.0417

■ 10.7645, 15.5062,
3.0417

189.9865,
226.4100, 136.8900

■ 5.9748, 9.1754,
1.1160

■ 26.8607, 35.7388,
11.7312

■ 2.8703, 4.8558,
0.0000

■ 38.8979, 50.4094,
19.3320

■ 1.0855, 2.1629,
0.0000

■ 54.0817, 68.6287,
29.6616

■ 0.0130, 0.6996,
0.0000


■ 72.7774, 90.7811,
43.1384


■ 0.0000, 0.0000,
0.0000


■ 95.3504, 117.2511,
60.1812


■ 122.1660,


148.4230, 81.2083


 153.5896,
184.6811, 106.6384


 10.7645, 15.5062,
3.0417


 10.7645, 15.5062,
3.0417


 10.3294, 15.2916,
2.6083


 11.2708, 15.7527,
3.7432

 10.0922, 15.1737,
2.3969

 11.8559, 16.0325,
4.7557

 12.5263, 16.3489,
6.1105

 13.2875, 16.7039,
7.8348

 14.1445, 17.0997,
9.9532

■ 15.1016, 17.5380,
12.4880

■ 16.1633, 18.0206,
15.4600

■ 17.3333, 18.5491,
18.8883

■ 18.6154, 19.1250,
22.7912

Harmonies

Analogous

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



14.7794, 15.5062, 2.0953



10.7645, 15.5062, 3.0417



8.3314, 15.5062, 7.0485

Triad

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



10.7645, 15.5062, 3.0417



10.7067, 15.5062, 49.6704



25.4980, 15.5062, 17.0020

Complementary

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



10.7645, 15.5062, 3.0417



5.0398, 2.5523, 17.9972

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.



23.7962, 15.5062, 33.1834



10.7645, 15.5062, 3.0417



14.6970, 15.5062, 57.1186

Square

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



10.7645, 15.5062, 3.0417



8.3033, 15.5062, 32.8635



19.5861, 15.5062, 49.9132



23.8530, 15.5062, 7.1633

Rectangle

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



10.7645, 15.5062, 3.0417



7.6234, 15.5062, 12.7512



19.5861, 15.5062, 49.9132



25.2942, 15.5062, 21.8243

Sweetspot

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



10.7649, 15.5069, 3.0420



26.3047, 30.7282, 21.2705



9.0470, 6.4068, 1.3761



6.1179, 7.2292, 4.7296



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.



10.7649, 15.5069, 3.0420



17.6061, 26.6126, 4.2088



7.6161, 13.8837, 2.8947



4.1865, 4.5714, 4.2862



10.9943, 16.5450, 2.6140



51.5204, 78.4452, 12.4260

Inverse Universe

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



5.0398, 2.5523, 17.9972



7.3193, 3.0844, 31.4627



9.0447, 4.6169, 18.1846



3.9096, 3.9513, 4.9998



4.6061, 1.9473, 19.5184



21.1647, 8.8728, 93.0669

Previews

White Background



This preview shows how the XYZ color 10.7645, 15.5062, 3.0417 looks on a white background.

Color Contrast Check

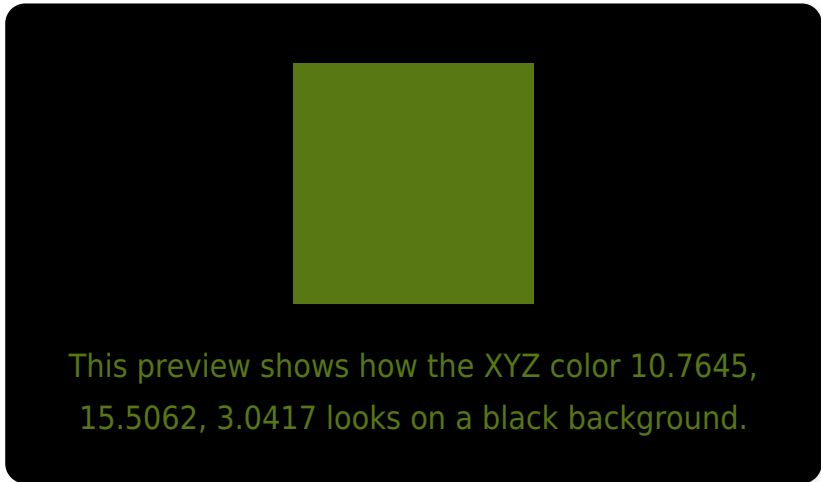
Large Text (above 18pt) WCAG AA ✓ Pass

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

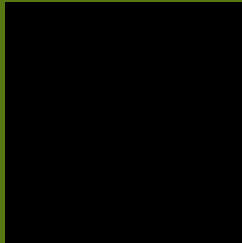
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.7645, 15.5062, 3.0417

Background



This preview shows how black text looks on a background with the XYZ color 10.7645, 15.5062, 3.0417.



This preview shows how white text looks on a background with the XYZ color 10.7645, 15.5062,

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

10.7645, 15.5062, 3.0417

Protanopia

13.8378, 15.4002, 2.7334

Deuteranopia

15.6533, 15.3926, 3.3084



Tritanopia

14.2824, 15.5655, 20.3408

Trichromacy



Original Color

10.7645, 15.5062, 3.0417

Protanomaly

12.5489, 15.3901, 2.8395

Deuteranomaly

13.3591, 15.1440, 3.1387

Tritanomaly

12.3471, 15.2812, 10.6863

Monochromacy



Original Color

10.7645, 15.5062, 3.0417

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.0825, 13.3905, 7.7949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7645, 15.5062, 3.0417 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(87, 120, 19)` looks like.

```
.text, #text, p{  
    color:rgb(87, 120, 19)  
}
```

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(87, 120, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 120, 19) }
```

Border

The CSS property to change the border of an element to XYZ 10.7645, 15.5062, 3.0417 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(87, 120, 19) }
```


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

```
.border{ border-color:rgb(87, 120, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 120, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 120, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 120, 19);  
box-shadow:4px 4px 4px 4px rgb(87, 120,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7645, 15.5062, 3.0417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 120, 19) }
```

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

```
.background{ background-color: rgb(87, 120,  
19) }
```

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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