

Converting Colors

XYZ(11.4938, 16.8195, 3.2546)

Have a look what the booklet for
XYZ(11.4938, 16.8195, 3.2546)
contains.

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Color

**XYZ(11.4757, 16.7890,
3.2519)**

Conversions

Conversions Part 1

Format	Color
Hex	587D13
RGB	88, 125, 19
RGB Percent	35%, 49%, 7%
CMY	0.6549, 0.5098, 0.9255
CMYK	0.30, 0.00, 0.85, 0.51
HSL	81°, 74%, 28%
HSV	81°, 85%, 49%
XYZ	11.4757, 16.7890, 3.2519
YIQ	101.8530, 11.9740, -40.8100

Conversions

Conversions Part 2

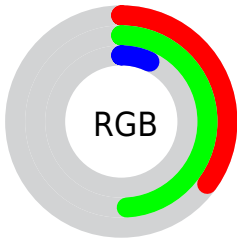
Format	Color
RYB	19, 125, 56
Decimal	5799187
CIELab	47.99, -28.71, 48.28
CIELCh	48, 56.171, 120.735
Yxy	16.7890, 0.3641, 0.5327
Android (android.graphics.Color)	4283989267 (0xFF587D13)
YUV	101.8530, -40.8465, -12.1491
Hunter-Lab	40.9744, -21.7127, 23.9766

Details

The XYZ color **11.4757, 16.7890, 3.2519** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.5662, 2.7877, 19.6478**, and the grayscale version is **12.6926, 13.3536, 14.5420**.

A 20% lighter version of the original color is **28.1409, 37.9979, 12.3297**, and **3.3474, 5.5622, 0.8972** is the 20% darker color. If you saturate the color by 10%, you get **10.9933, 16.5503, 2.8019**, and if you desaturate by 10%, it is **12.0381, 17.0637, 3.9907**.

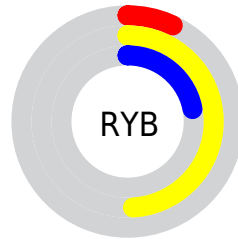
Distribution



Red (35%)

Green (49%)

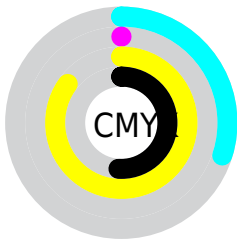
Blue (7%)



Red (7%)

Yellow (49%)

Blue (22%)

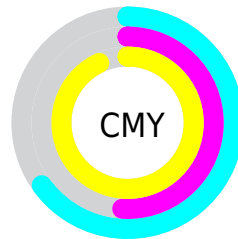


Cyan (30%)

Magenta (0%)

Yellow (85%)

Black (51%)



Cyan (65%)

Magenta (51%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4757, 16.7890, 3.2519 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 11.4757, 16.7890, 3.2519 by changing the saturation by 10% instead.

■ 11.4757, 16.7890,
3.2519

■ 11.4757, 16.7890,
3.2519

194.7443,
233.9535, 139.5070

■ 6.4574, 10.0842,
1.2247

■ 28.1617, 37.9626,
12.2439

■ 3.1684, 5.4548,
0.0000

■ 40.5602, 53.2002,
20.0458

■ 1.2434, 2.5165,
0.0000

■ 56.1494, 72.0509,
30.6096

■ 0.1403, 0.8849,
0.0000


■ 75.2947, 94.8989,
44.3539


■ 0.0000, 0.0000,
0.0000


■ 98.3615, 122.1288,
61.6973


■ 125.7152,


154.1250, 83.0582


 157.7210,
191.2717, 108.8553


 11.4757, 16.7890,
3.2519


 11.4757, 16.7890,
3.2519

 10.9933, 16.5503,
2.8019


 12.0381, 17.0637,
3.9907

 10.7587, 16.4335,
2.6049

 12.6895, 17.3763,
5.0687

 13.4373, 17.7305,
6.5208

 14.2877, 18.1287,
8.3776

 15.2462, 18.5731,
10.6662

■ 16.3180, 19.0660,
13.4116

■ 17.5077, 19.6092,
16.6369

■ 18.8199, 20.2045,
20.3634

■ 20.2586, 20.8536,
24.6114

Harmonies

Analogous

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



15.8327, 16.7890, 2.1631



11.4757, 16.7890, 3.2519



8.8743, 16.7890, 7.7468

Triad

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



11.4757, 16.7890, 3.2519



11.6505, 16.7890, 55.0552



27.8250, 16.7890, 17.9245

Complementary

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



11.4757, 16.7890, 3.2519



5.5662, 2.7877, 19.6478

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.



26.0622, 16.7890, 35.6074



11.4757, 16.7890, 3.2519



16.0828, 16.7890, 62.8209

Square

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



11.4757, 16.7890, 3.2519



8.9591, 16.7890, 36.5838



21.4762, 16.7890, 54.3116



25.8892, 16.7890, 7.4021

Rectangle

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



11.4757, 16.7890, 3.2519



8.1401, 16.7890, 14.1437



21.4762, 16.7890, 54.3116



27.6423, 16.7890, 23.1539

Sweetspot

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



11.4761, 16.7897, 3.2523



29.0570, 34.0660, 23.5865



9.9105, 7.0772, 1.4601



6.4805, 7.6896, 5.0293



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.



11.4761, 16.7897, 3.2523



19.1037, 29.3436, 4.6570



8.2028, 15.1023, 3.0991



4.5242, 4.9467, 4.6365



11.2205, 17.1468, 2.7183



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.5662, 2.7877, 19.6478



8.3146, 3.5206, 34.9857



10.0388, 5.0934, 19.8571



4.2395, 4.2791, 5.4158



4.9242, 2.0922, 20.3943



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.4757, 16.7890, 3.2519 looks on a white background.

Color Contrast Check

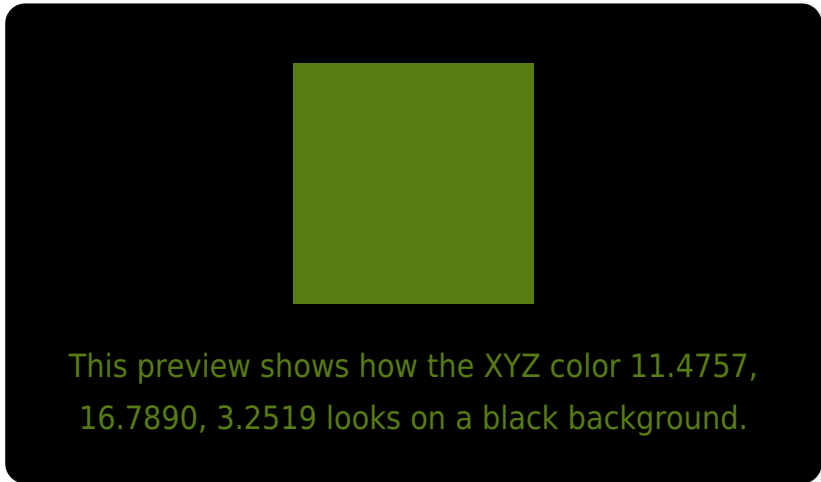
Large Text (above 18pt) WCAG AA ✓ Pass

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

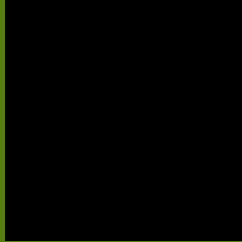
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.4757, 16.7890, 3.2519

Background



This preview shows how black text looks on a background with the XYZ color 11.4757, 16.7890, 3.2519.



This preview shows how white text looks on a background with the XYZ color 11.4757, 16.7890,

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

11.4757, 16.7890, 3.2519

Protanopia

15.0129, 16.6612, 2.9149

Deuteranopia

16.9246, 16.6585, 3.5517



Tritanopia

15.2668, 16.7065, 22.1587

Trichromacy



Original Color

11.4757, 16.7890, 3.2519

Protanomaly

13.3897, 16.5080, 3.0110

Deuteranomaly

14.3721, 16.3202, 3.3699

Tritanomaly

13.1410, 16.3686, 11.4837

Monochromacy



Original Color

11.4757, 16.7890, 3.2519

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.6754, 14.1611, 8.2489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4757, 16.7890, 3.2519 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(88, 125, 19)` looks like.

```
.text, #text, p{  
    color:rgb(88, 125, 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(88, 125, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 125, 19) }
```

Border

The CSS property to change the border of an element to XYZ 11.4757, 16.7890, 3.2519 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(88, 125, 19) }
```


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

```
.border{ border-color:rgb(88, 125, 19) }
```

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

Here you see how a box with a 4 pixel rgb(88, 125, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 125, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 125, 19);  
box-shadow:4px 4px 4px 4px rgb(88, 125,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4757, 16.7890, 3.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 125, 19) }
```

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

```
.background{ background-color: rgb(88, 125,  
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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