

Converting Colors

XYZ(7.5707, 11.9685, 0.6677)

Have a look what the booklet for
XYZ(7.5707, 11.9685, 0.6677)
contains.

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Color

**XYZ(7.7465, 11.9541,
1.8991)**

Conversions

Conversions Part 1

Format	Color
Hex	446C00
RGB	68, 108, 0
RGB Percent	27%, 42%, 0%
CMY	0.7333, 0.5765, 1.0000
CMYK	0.37, 0.00, 1.00, 0.58
HSL	82°, 100%, 21%
HSV	82°, 100%, 42%
XYZ	7.7465, 11.9541, 1.8991
YIQ	83.7280, 10.8280, -42.0680

Conversions

Conversions Part 2

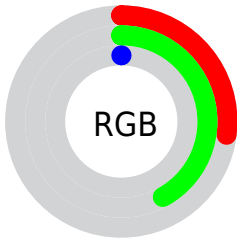
Format	Color
RYB	0, 108, 40
Decimal	4484096
CIELab	41.14, -29.52, 46.66
CIELCh	41, 55.212, 122.325
Yxy	11.9541, 0.3586, 0.5534
Android (android.graphics.Color)	4282674176 (0xFF446C00)
YUV	83.7280, -41.2779, -13.7935
Hunter-Lab	34.5747, -20.5126, 20.9456

Details

The XYZ color **7.7465, 11.9541, 1.8991** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.5824, 1.5342, 14.2954**, and the grayscale version is **8.4520, 8.8921, 9.6835**.

A 20% lighter version of the original color is **21.2454, 29.5223, 8.7163**, and **1.7970, 3.3251, 0.5471** is the 20% darker color. If you saturate the color by 10%, you get **7.7466, 11.9545, 1.8992**, and if you desaturate by 10%, it is **8.0947, 12.1271, 2.2249**.

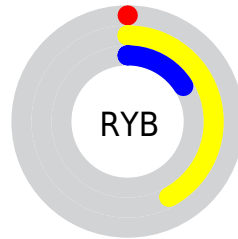
Distribution



Red (27%)

Green (42%)

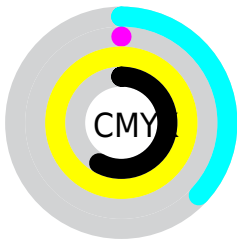
Blue (0%)



Red (0%)

Yellow (42%)

Blue (16%)

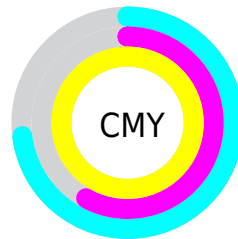


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (73%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.7465, 11.9541, 1.8991 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 7.7465, 11.9541, 1.8991 by changing the saturation by 10% instead.

7.7465, 11.9541,
1.8991

7.7465, 11.9541,
1.8991

168.1431,
204.1012, 120.7898

3.9836, 6.7124,
0.4922

21.1502, 29.4115,
8.7631

1.6929, 3.2829,
0.0000

31.5217, 42.3960,
15.1300

0.4518, 1.2812,
0.0000

44.8267, 58.7302,
24.0117

0.0000, 0.1265,
0.0000

61.4307, 78.7986,
35.8267


0.0000, 0.0000,
0.0000


81.6990, 102.9855,
50.9934


105.9969,


131.6753, 69.9305


 134.6898,
165.2524, 93.0564


 7.7465, 11.9541,
1.8991


 7.7465, 11.9541,
1.8991


 7.7466, 11.9545,
1.8992

 8.0947, 12.1271,
2.2249

 8.4845, 12.3186,
2.6699

 8.9375, 12.5377,
3.3447

 9.4590, 12.7865,
4.2750

 10.0536, 13.0669,
5.4832

■ 10.7253, 13.3806,
6.9893

■ 11.4780, 13.7290,
8.8113

■ 12.3150, 14.1137,
10.9658

■ 13.2397, 14.5359,
13.4682

Harmonies

Analogous

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



11.0548, 11.9541, 1.1092



7.7465, 11.9541, 1.8991



5.8498, 11.9541, 5.2685

Triad

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



7.7465, 11.9541, 1.8991



8.1699, 11.9541, 43.6035



20.8340, 11.9541, 12.1482

Complementary

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



7.7465, 11.9541, 1.8991



3.5824, 1.5342, 14.2954

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.



19.5608, 11.9541, 26.0541



7.7465, 11.9541, 1.8991



11.6748, 11.9541, 49.4080

Square

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



7.7465, 11.9541, 1.8991



6.0512, 11.9541, 28.5736



15.9570, 11.9541, 41.6459



19.1188, 11.9541, 4.4710

Rectangle

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



7.7465, 11.9541, 1.8991



5.3474, 11.9541, 10.3069



15.9570, 11.9541, 41.6459



20.7410, 11.9541, 16.1625

Sweetspot

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



7.7468, 11.9546, 1.8994



20.0362, 24.0493, 15.1846



6.9302, 4.6794, 0.5381



4.7450, 5.7726, 3.4176



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



7.7468, 11.9546, 1.8994



13.4677, 20.9187, 3.3279



5.5503, 10.8223, 1.7966



3.2298, 3.5303, 3.3286



9.2089, 14.2426, 2.2637



45.9421, 72.0661, 11.4888

Inverse Universe

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



3.5824, 1.5342, 14.2954



6.1657, 2.6296, 25.0903



7.2825, 3.4417, 14.4685



3.0445, 3.0747, 3.8679



4.2437, 1.8148, 17.0489



20.7333, 8.7880, 86.8297

Previews

White Background



This preview shows how the XYZ color 7.7465, 11.9541, 1.8991 looks on a white background.

Color Contrast Check

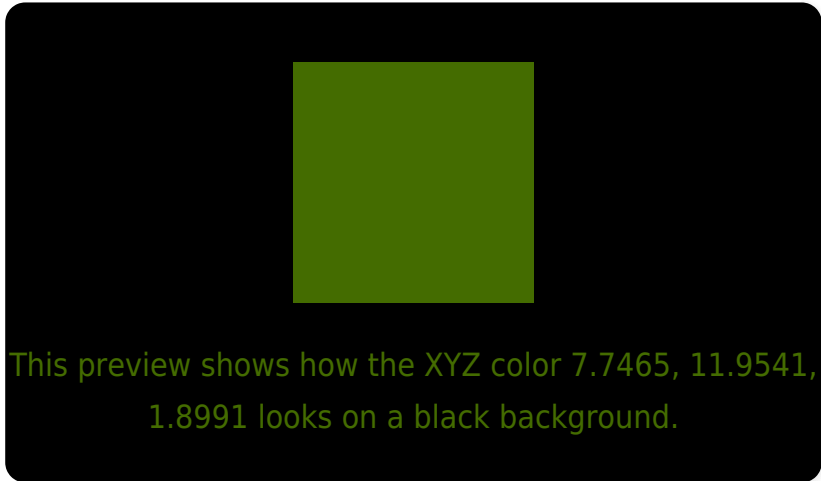
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.7465, 11.9541, 1.8991

Background



This preview shows how black text looks on a background with the XYZ color 7.7465, 11.9541, 1.8991.



This preview shows how white text looks on a background with the XYZ color 7.7465, 11.9541, 1.8991.

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

7.7465, 11.9541, 1.8991

Protanopia

10.5814, 11.8006, 1.7200

Deuteranopia

11.9885, 11.8460, 2.3641



Tritanopia

10.5722, 11.9025, 15.9276

Trichromacy



Original Color

7.7465, 11.9541, 1.8991

Protanomaly

9.2698, 11.6870, 1.7673

Deuteranomaly

9.9198, 11.5892, 2.0949

Tritanomaly

8.9049, 11.6667, 7.4128

Monochromacy



Original Color

7.7465, 11.9541, 1.8991

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.6988, 9.7054, 4.8357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7465, 11.9541, 1.8991 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(68, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 108, 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(68, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 7.7465, 11.9541, 1.8991 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(68, 108, 0) }
```


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

```
.border{ border-color:rgb(68, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 108, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.7465, 11.9541, 1.8991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 108, 0) }
```

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

```
.background{ background-color: rgb(68, 108,  
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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