

Converting Colors

XYZ(7.6600, 11.6676, 0.9721)

Have a look what the booklet for
XYZ(7.6600, 11.6676, 0.9721)
contains.

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Color

**XYZ(7.8265, 11.6858,
1.8431)**

Conversions

Conversions Part 1

Format	Color
Hex	486A00
RGB	72, 106, 0
RGB Percent	28%, 42%, 0%
CMY	0.7177, 0.5843, 1.0000
CMYK	0.32, 0.00, 1.00, 0.58
HSL	79°, 100%, 21%
HSV	79°, 100%, 42%
XYZ	7.8265, 11.6858, 1.8431
YIQ	83.7500, 13.7620, -40.1740

Conversions

Conversions Part 2

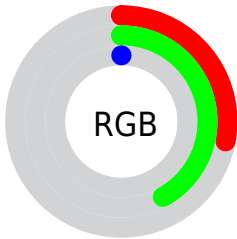
Format	Color
RYB	0, 106, 34
Decimal	4745728
CIELab	40.71, -26.92, 46.43
CIELCh	41, 53.669, 120.109
Yxy	11.6858, 0.3665, 0.5472
Android (android.graphics.Color)	4282935808 (0xFF486A00)
YUV	83.7500, -41.2888, -10.3048
Hunter-Lab	34.1845, -18.9555, 20.7325

Details

The XYZ color **7.8265, 11.6858, 1.8431** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.2617, 1.3810, 13.7311**, and the grayscale version is **8.4560, 8.8964, 9.6882**.

A 20% lighter version of the original color is **21.3285, 29.0546, 8.6216**, and **1.8015, 3.1748, 0.5179** is the 20% darker color. If you saturate the color by 10%, you get **7.8266, 11.6862, 1.8432**, and if you desaturate by 10%, it is **8.1455, 11.8439, 2.1616**.

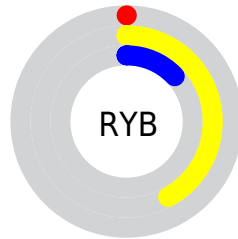
Distribution



Red (28%)

Green (42%)

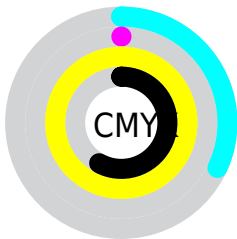
Blue (0%)



Red (0%)

Yellow (42%)

Blue (13%)

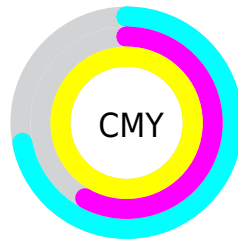


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (58%)



Cyan (72%)


Magenta (58%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 7.8265, 11.6858, 1.8431 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 7.8265, 11.6858, 1.8431 by changing the saturation by 10% instead.


 7.8265, 11.6858,
1.8431


 7.8265, 11.6858,
1.8431


 168.7642,
202.3140, 119.8908


 4.0350, 6.5301,
0.4562


 21.3063, 28.9215,
8.6072


 1.7220, 3.1700,
0.0000

 31.7253, 41.7704,
14.9055


 0.4700, 1.2211,
0.0000

 45.0842, 57.9524,
23.7061

 0.0000, 0.0789,
0.0000


 61.7483, 77.8520,
35.4273


 0.0000, 0.0000,
0.0000


 82.0830, 101.8536,
50.4879


 106.4537,


130.3415, 69.3063


 135.2256,
163.7001, 92.3011


 7.8265, 11.6858,
1.8431


 7.8265, 11.6858,
1.8431


 7.8266, 11.6862,
1.8432

 8.1455, 11.8439,
2.1616

 8.4995, 12.0172,
2.5912

 8.9096, 12.2147,
3.2409

 9.3807, 12.4383,
4.1353

 9.9171, 12.6897,
5.2957

■ 10.5225, 12.9704,
6.7411

■ 11.2005, 13.2820,
8.4887

■ 11.9543, 13.6256,
10.5544

■ 12.7867, 14.0025,
12.9529

Harmonies

Analogous

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



11.0931, 11.6858, 1.1682



7.8265, 11.6858, 1.8431



5.8952, 11.6858, 4.8783

Triad

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



7.8265, 11.6858, 1.8431



7.8456, 11.6858, 40.9029



20.1463, 11.6858, 12.6841

Complementary

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



7.8265, 11.6858, 1.8431



3.2617, 1.3810, 13.7311

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.



18.7333, 11.6858, 26.2815



7.8265, 11.6858, 1.8431



11.1209, 11.6858, 47.2789

Square

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



7.8265, 11.6858, 1.8431



5.9043, 11.6858, 26.3935



15.1959, 11.6858, 40.8163



18.7136, 11.6858, 4.8420

Rectangle

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



7.8265, 11.6858, 1.8431



5.3465, 11.6858, 9.4535



15.1959, 11.6858, 40.8163



19.9850, 11.6858, 16.6728

Sweetspot

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



7.8268, 11.6863, 1.8434



19.5519, 23.2612, 14.6201



6.5041, 4.1841, 0.4650



4.4930, 5.4090, 3.1964



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



7.8268, 11.6863, 1.8434



13.6131, 20.4457, 3.2289



5.4315, 10.4515, 1.7313



3.2434, 3.5373, 3.3293



9.6768, 14.4838, 2.2856



48.3742, 73.3199, 11.6026

Inverse Universe

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



3.2617, 1.3810, 13.7311



5.6119, 2.3656, 24.0919



6.4922, 3.0464, 13.8822



3.0314, 3.0679, 3.8673



4.0143, 1.6965, 17.0381



19.6365, 8.2226, 86.7784

Previews

White Background



This preview shows how the XYZ color 7.8265, 11.6858, 1.8431 looks on a white background.

Color Contrast Check

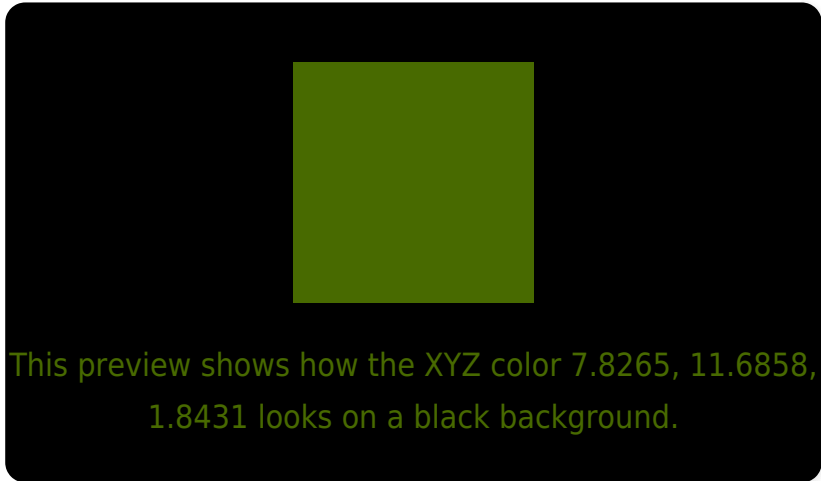
Large Text (above 18pt) WCAG AA ✓ Pass

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

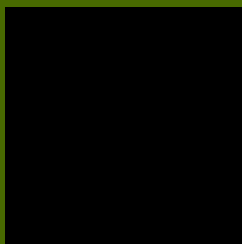
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.8265, 11.6858, 1.8431

Background



This preview shows how black text looks on a background with the XYZ color 7.8265, 11.6858, 1.8431.



This preview shows how white text looks on a background with the XYZ color 7.8265, 11.6858,

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

7.8265, 11.6858, 1.8431

Protanopia

10.3672, 11.5539, 1.6837

Deuteranopia

11.7525, 11.5976, 2.2810



Tritanopia

10.6306, 11.8033, 15.3536

Trichromacy



Original Color

7.8265, 11.6858, 1.8431

Protanomaly

9.2765, 11.5472, 1.7399

Deuteranomaly

9.8490, 11.2784, 2.0386

Tritanomaly

8.9889, 11.5703, 7.0697

Monochromacy



Original Color

7.8265, 11.6858, 1.8431

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.7780, 9.6168, 4.8144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8265, 11.6858, 1.8431 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(72, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(72, 106, 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(72, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 106, 0) }
```

Border

The CSS property to change the border of an element to XYZ 7.8265, 11.6858, 1.8431 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(72, 106, 0) }
```


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

```
.border{ border-color:rgb(72, 106, 0) }
```

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

Here you see how a box with a 4 pixel rgb(72, 106, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(72, 106, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.8265, 11.6858, 1.8431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 106, 0) }
```

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

```
.background{ background-color: rgb(72, 106,  
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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