

Converting Colors

XYZ(6.8769, 12.1615, 2.7929)

Have a look what the booklet for
XYZ(6.8769, 12.1615, 2.7929)
contains.

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Color

**XYZ(6.8633, 12.1216,
2.7886)**

Conversions

Conversions Part 1

Format	Color
Hex	297017
RGB	41, 112, 23
RGB Percent	16%, 44%, 9%
CMY	0.8392, 0.5608, 0.9098
CMYK	0.63, 0.00, 0.79, 0.56
HSL	108°, 66%, 26%
HSV	108°, 79%, 44%
XYZ	6.8633, 12.1216, 2.7886
YIQ	80.6250, -13.7470, -42.7310

Conversions

Conversions Part 2

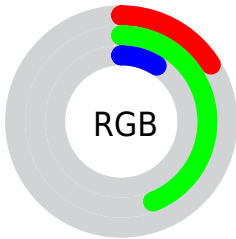
Format	Color
RYB	23, 112, 94
Decimal	2715671
CIELab	41.41, -39.24, 40.03
CIElCh	41, 56.054, 134.432
Yxy	12.1216, 0.3152, 0.5567
Android (android.graphics.Color)	4280905751 (0xFF297017)
YUV	80.6250, -28.4091, -34.7511
Hunter-Lab	34.8161, -25.7404, 19.6224

Details

The XYZ color **6.8633, 12.1216, 2.7886** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7.8478, 4.1628, 15.7197**, and the grayscale version is **7.8036, 8.2100, 8.9407**.

A 20% lighter version of the original color is **19.4816, 29.8781, 11.0436**, and **1.7775, 3.5550, 0.5925** is the 20% darker color. If you saturate the color by 10%, you get **6.4573, 11.9230, 2.3026**, and if you desaturate by 10%, it is **7.3983, 12.3820, 3.5289**.

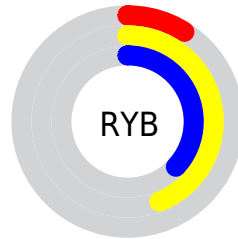
Distribution



Red (16%)

Green (44%)

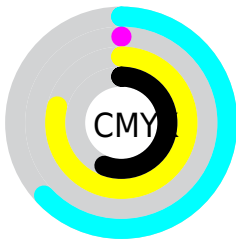
Blue (9%)



Red (9%)

Yellow (44%)

Blue (37%)

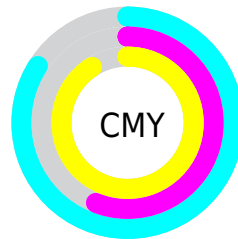


Cyan (63%)

Magenta (0%)

Yellow (79%)

Black (56%)



Cyan (84%)

Magenta (56%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.8633, 12.1216, 2.7886 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 6.8633, 12.1216, 2.7886 by changing the saturation by 10% instead.

■ 6.8633, 12.1216,
2.7886

■ 6.8633, 12.1216,
2.7886

161.0925,
205.2087, 133.6209

■ 3.4223, 6.8265,
0.9877

■ 19.4051, 29.7164,
11.1022

■ 1.3808, 3.3539,
0.0000

■ 29.2367, 42.7849,
18.4520

■ 0.2425, 1.3191,
0.0000

■ 41.9292, 59.2134,
28.4885

■ 0.0000, 0.1560,
0.0000

■ 57.8479, 79.3862,
41.6303

■ 0.0000, 0.0000,
0.0000

■ 77.3582, 103.6877,
58.2959

■ 100.8255,

132.5024, 78.9038

128.6152,
166.2146, 103.8726

6.8633, 12.1216,
2.7886

6.8633, 12.1216,
2.7886

6.4573, 11.9230,
2.3026

7.3983, 12.3820,
3.5289

6.1540, 11.7738,
1.9656

8.0719, 12.7073,
4.5509

6.1398, 11.7668,
1.9476

8.8935, 13.1023,
5.8796

9.8716, 13.5709,
7.5368

11.0140, 14.1165,
9.5423

■ 12.3278, 14.7427,
11.9146

■ 13.8199, 15.4524,
14.6705

■ 15.4967, 16.2487,
17.8262

■ 17.3642, 17.1344,
21.3965

Harmonies

Analogous

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



9.6780, 12.1216, 1.2152



6.8633, 12.1216, 2.7886



5.5050, 12.1216, 8.0486

Triad

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



6.8633, 12.1216, 2.7886



9.5450, 12.1216, 48.7261



20.8889, 12.1216, 8.3615

Complementary

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



6.8633, 12.1216, 2.7886



7.8478, 4.1628, 15.7197

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.



20.8292, 12.1216, 20.1775



6.8633, 12.1216, 2.7886



13.5848, 12.1216, 49.0016

Square

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



6.8633, 12.1216, 2.7886



6.7858, 12.1216, 35.9420



17.9176, 12.1216, 36.5588



18.0654, 12.1216, 2.9017

Rectangle

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



6.8633, 12.1216, 2.7886



5.3453, 12.1216, 15.0080



17.9176, 12.1216, 36.5588



21.2232, 12.1216, 11.5404

Sweetspot

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



6.8636, 12.1221, 2.7889



20.4251, 25.3119, 18.6944



10.7268, 11.2862, 2.4239



4.7550, 6.0086, 4.2179



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



6.8636, 12.1221, 2.7889



10.9184, 20.7345, 3.6354



6.6859, 11.9862, 4.7814



3.4023, 3.7927, 3.6261



7.0808, 13.5940, 2.2507



34.6842, 67.4144, 11.1842

Inverse Universe

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



7.8478, 4.1628, 15.7197



12.6104, 6.0245, 27.4280



8.7004, 4.7425, 9.4279



3.4516, 3.4211, 4.2326



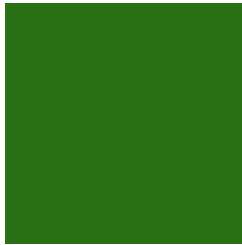
8.1644, 3.8183, 18.0283



39.9553, 18.6521, 89.7735

Previews

White Background



This preview shows how the XYZ color 6.8633, 12.1216, 2.7886 looks on a white background.

Color Contrast Check

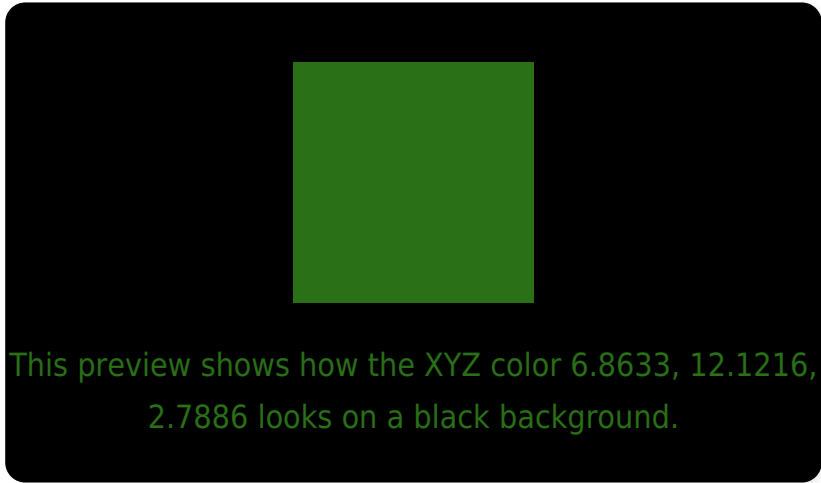
Large Text (above 18pt) WCAG AA ✓ Pass

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

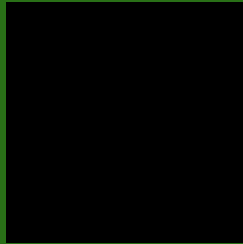
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.8633, 12.1216, 2.7886

Background



This preview shows how black text looks on a background with the XYZ color 6.8633, 12.1216, 2.7886.



This preview shows how white text looks on a background with the XYZ color 6.8633, 12.1216,

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

6.8633, 12.1216, 2.7886

Protanopia

10.6989, 11.8476, 2.3390

Deuteranopia

12.1139, 11.8962, 3.0242



Tritanopia

9.7944, 12.0535, 17.4331

Trichromacy



Original Color

6.8633, 12.1216, 2.7886

Protanomaly

8.5338, 11.4381, 2.4198

Deuteranomaly

9.1978, 11.3395, 2.8664

Tritanomaly

8.1739, 11.8515, 9.4462

Monochromacy



Original Color

6.8633, 12.1216, 2.7886

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

6.8895, 9.1388, 5.6758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.8633, 12.1216, 2.7886 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(41, 112, 23)` looks like.

```
.text, #text, p{  
    color:rgb(41, 112, 23)  
}
```

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(41, 112, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 112, 23) }
```

Border

The CSS property to change the border of an element to XYZ 6.8633, 12.1216, 2.7886 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(41, 112, 23) }
```


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

```
.border{ border-color:rgb(41, 112, 23) }
```

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

Here you see how a box with a 4 pixel rgb(41, 112, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 112, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 112, 23);  
box-shadow:4px 4px 4px 4px rgb(41, 112,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 6.8633, 12.1216, 2.7886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 112, 23) }
```

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

```
.background{ background-color: rgb(41, 112,  
23) }
```

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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