

Converting Colors

XYZ(8.6901, 11.6692, 2.2846)

Have a look what the booklet for
XYZ(8.6901, 11.6692, 2.2846)
contains.

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Color

**XYZ(8.6901, 11.6692,
2.2846)**

Conversions

Conversions Part 1

Format	Color
Hex	556710
RGB	85, 103, 16
RGB Percent	33%, 40%, 6%
CMY	0.6667, 0.5961, 0.9372
CMYK	0.17, 0.00, 0.84, 0.60
HSL	72°, 73%, 23%
HSV	72°, 84%, 40%
XYZ	8.6901, 11.6692, 2.2846
YIQ	87.7000, 17.1990, -30.8730

Conversions

Conversions Part 2

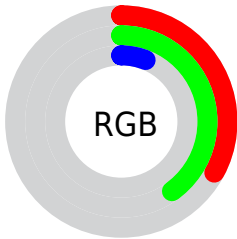
Format	Color
RYB	16, 103, 34
Decimal	5596944
CIELab	40.69, -19.08, 42.57
CIELCh	41, 46.652, 114.146
Yxy	11.6692, 0.3838, 0.5153
Android (android.graphics.Color)	4283787024 (0xFF556710)
YUV	87.7000, -35.3481, -2.3679
Hunter-Lab	34.1602, -14.3713, 19.9469

Details

The XYZ color **8.6901, 11.6692, 2.2846** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2936, 1.6903, 12.9853**, and the grayscale version is **9.2827, 9.7661, 10.6353**.

A 20% lighter version of the original color is **22.9155, 28.8469, 9.8291**, and **2.1417, 3.2034, 0.5054** is the 20% darker color. If you saturate the color by 10%, you get **8.4374, 11.5465, 1.9478**, and if you desaturate by 10%, it is **8.9831, 11.8095, 2.8013**.

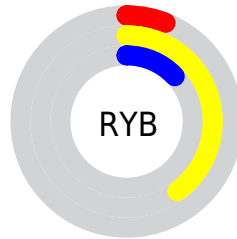
Distribution



 Red (33%)

 Green (40%)

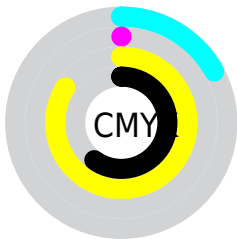
 Blue (6%)




 Red (6%)

 Yellow (40%)

 Blue (13%)

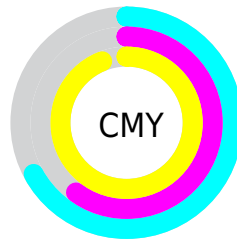


 Cyan (17%)

 Magenta (0%)

 Yellow (84%)

 Black (60%)



 Cyan (67%)

 Magenta (60%)

 Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.6901, 11.6692, 2.2846 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 8.6901, 11.6692, 2.2846 by changing the saturation by 10% instead.

8.6901, 11.6692,
2.2846

8.6901, 11.6692,
2.2846

175.3054,
202.2028, 126.6503

4.5951, 6.5189,
0.7226

22.9733, 28.8912,
9.8052

2.0440, 3.1631,
0.0000

33.8922, 41.7316,
16.6205

0.6585, 1.2174,
0.0000

47.8165, 57.9041,
26.0305

0.0000, 0.0759,
0.0000

65.1114, 77.7932,
38.4538


0.0000, 0.0000,
0.0000


86.1425, 101.7832,
54.3089


111.2749,


130.2586, 74.0143


 140.8741,
163.6037, 97.9886


 8.6901, 11.6692,
2.2846


 8.6901, 11.6692,
2.2846


 8.4374, 11.5465,
1.9478


 8.9831, 11.8095,
2.8013

 8.3031, 11.4809,
1.7784

 9.3234, 11.9690,
3.5368

 9.7150, 12.1497,
4.5124

 10.1618, 12.3532,
5.7467

 10.6668, 12.5806,
7.2562

■ 11.2329, 12.8332,
9.0564

■ 11.8631, 13.1121,
11.1613

■ 12.5597, 13.4184,
13.5843

■ 13.3253, 13.7529,
16.3377

Harmonies

Analogous

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



11.7519, 11.6692, 1.8401



8.6901, 11.6692, 2.2846



6.6977, 11.6692, 4.7505

Triad

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



8.6901, 11.6692, 2.2846



7.7707, 11.6692, 33.8944



18.6877, 11.6692, 14.6535

Complementary

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



8.6901, 11.6692, 2.2846



3.2936, 1.6903, 12.9853

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.



17.0785, 11.6692, 26.6205



8.6901, 11.6692, 2.2846



10.4557, 11.6692, 40.7612

Square

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



8.6901, 11.6692, 2.2846



6.2453, 11.6692, 21.6965



13.8983, 11.6692, 37.5909



17.9573, 11.6692, 6.6217

Rectangle

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



8.6901, 11.6692, 2.2846



6.0335, 11.6692, 8.3551



13.8983, 11.6692, 37.5909



18.3940, 11.6692, 18.3529

Sweetspot

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



8.6904, 11.6697, 2.2848



19.9776, 22.9180, 15.7759



6.2425, 4.0314, 0.9395



4.8084, 5.5622, 3.6376



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.



8.6904, 11.6697, 2.2848



14.7704, 20.5070, 3.1798



5.9032, 10.2329, 2.1544



2.9877, 3.2408, 3.0425



10.4171, 14.4289, 2.2360



53.5954, 74.8754, 11.6276

Inverse Universe

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



3.2936, 1.6903, 12.9853



4.8617, 1.9999, 23.1069



5.6864, 2.9238, 13.0973



2.7409, 2.7885, 3.5257



3.4508, 1.4231, 16.2371



17.3864, 7.1072, 84.6569

Previews

White Background



This preview shows how the XYZ color 8.6901, 11.6692, 2.2846 looks on a white background.

Color Contrast Check

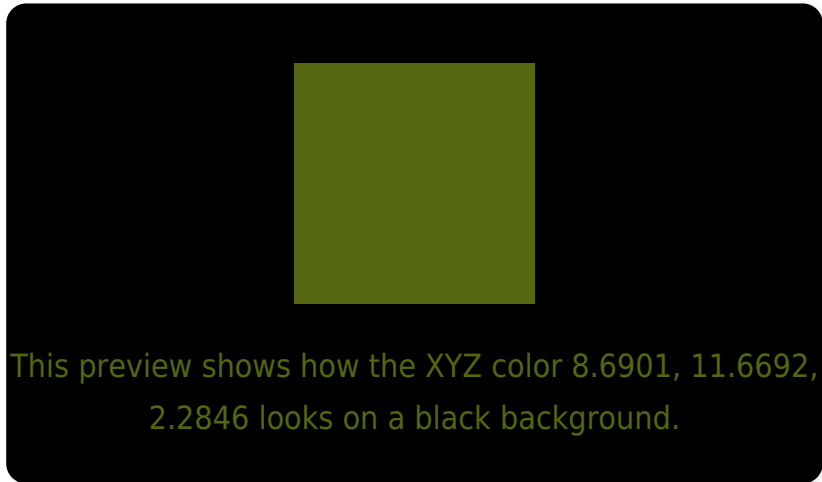
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.6901, 11.6692, 2.2846

Background



This preview shows how black text looks on a background with the XYZ color 8.6901, 11.6692, 2.2846.



This preview shows how white text looks on a background with the XYZ color 8.6901, 11.6692,

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

8.6901, 11.6692, 2.2846

Protanopia

10.4465, 11.5856, 2.1011

Deuteranopia

11.7911, 11.6131, 2.4842



Tritanopia

11.1453, 11.6722, 14.4975

Trichromacy



Original Color

8.6901, 11.6692, 2.2846

Protanomaly

9.8036, 11.6675, 2.1873

Deuteranomaly

10.4119, 11.4267, 2.3663

Tritanomaly

9.8156, 11.5523, 7.6737

Monochromacy



Original Color

8.6901, 11.6692, 2.2846

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.7143, 10.2027, 6.0675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6901, 11.6692, 2.2846 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(85, 103, 16)` looks like.

```
.text, #text, p{  
    color:rgb(85, 103, 16)  
}
```

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(85, 103, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 103, 16) }
```

Border

The CSS property to change the border of an element to XYZ 8.6901, 11.6692, 2.2846 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(85, 103, 16) }
```


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

```
.border{ border-color:rgb(85, 103, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 103, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 103, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 103, 16);  
box-shadow:4px 4px 4px 4px rgb(85, 103,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 8.6901, 11.6692, 2.2846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 103, 16) }
```

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

```
.background{ background-color: rgb(85, 103,  
16) }
```

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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