

Converting Colors

XYZ(11.3412, 14.6610, 1.3391)

Have a look what the booklet for
XYZ(11.3412, 14.6610, 1.3391)
contains.

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Color

**XYZ(11.4986, 14.6938,
2.2301)**

Conversions

Conversions Part 1

Format	Color
Hex	677100
RGB	103, 113, 0
RGB Percent	40%, 44%, 0%
CMY	0.5961, 0.5569, 1.0000
CMYK	0.09, 0.00, 1.00, 0.56
HSL	65°, 100%, 22%
HSV	65°, 100%, 44%
XYZ	11.4986, 14.6938, 2.2301
YIQ	97.1280, 30.3130, -37.2630

Conversions

Conversions Part 2

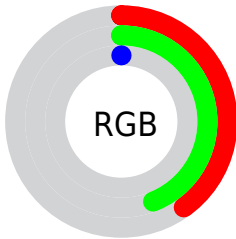
Format	Color
RYB	0, 113, 10
Decimal	6779136
CIELab	45.21, -16.56, 50.82
CIElCh	45, 53.446, 108.044
Yxy	14.6938, 0.4046, 0.5170
Android (android.graphics.Color)	4284969216 (0xFF677100)
YUV	97.1280, -47.8841, 5.1497
Hunter-Lab	38.3325, -13.5372, 23.3834

Details

The XYZ color **11.4986, 14.6938, 2.2301** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.1062, 1.2570, 15.7026**, and the grayscale version is **11.5032, 12.1022, 13.1793**.

A 20% lighter version of the original color is **28.2293, 34.4262, 9.7145**, and **3.3065, 4.5107, 0.6964** is the 20% darker color. If you saturate the color by 10%, you get **11.4989, 14.6944, 2.2303**, and if you desaturate by 10%, it is **11.6765, 14.7789, 2.5631**.

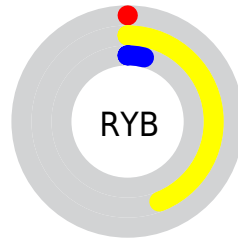
Distribution



Red (40%)

Green (44%)

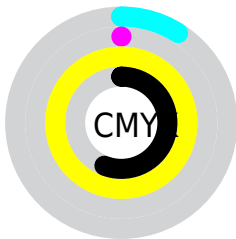
Blue (0%)



Red (0%)

Yellow (44%)

Blue (4%)

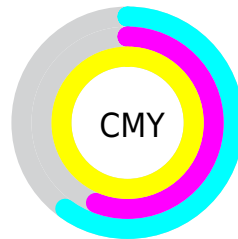


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (60%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4986, 14.6938, 2.2301 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 11.4986, 14.6938, 2.2301 by changing the saturation by 10% instead.

■ 11.4986, 14.6938,
2.2301

■ 11.4986, 14.6938,
2.2301

194.8955,
221.5053, 125.8533

■ 6.4730, 8.6048,
0.6917

■ 28.2034, 34.3151,
9.6608

■ 3.1781, 4.4843,
0.0000

■ 40.6133, 48.6162,
16.4151

■ 1.2487, 1.9480,
0.0000

■ 56.2154, 66.4234,
25.7533

■ 0.1443, 0.5770,
0.0000


■ 75.3750, 88.1211,
38.0941


■ 0.0000, 0.0000,
0.0000


■ 98.4574, 114.0938,
53.8560


■ 125.8281,


144.7258, 73.4574


 157.8523,
180.4015, 97.3170


 11.4986, 14.6938,
2.2301


 11.4986, 14.6938,
2.2301


 11.4989, 14.6944,
2.2303

 11.6765, 14.7789,
2.5631

 11.8819, 14.8745,
3.0349

 12.1368, 14.9901,
3.7600

 12.4466, 15.1279,
4.7675

 12.8163, 15.2897,
6.0824

■ 13.2499, 15.4773,
7.7271

■ 13.7513, 15.6922,
9.7217

■ 14.3242, 15.9358,
12.0850

■ 14.9718, 16.2094,
14.8342

Harmonies

Analogous

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



15.7989, 14.6938, 2.0552



11.4986, 14.6938, 2.2301



8.5575, 14.6938, 4.6297

Triad

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



11.4986, 14.6938, 2.2301



9.0257, 14.6938, 41.7368



24.0231, 14.6938, 21.5809

Complementary

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



11.4986, 14.6938, 2.2301



3.1062, 1.2570, 15.7026

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.



21.2761, 14.6938, 38.3718



11.4986, 14.6938, 2.2301



12.2806, 14.6938, 53.5046

Square

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



11.4986, 14.6938, 2.2301



7.3508, 14.6938, 24.7709



16.7633, 14.6938, 52.0241



23.6897, 14.6938, 9.5893

Rectangle

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



11.4986, 14.6938, 2.2301



7.4807, 14.6938, 8.5233



16.7633, 14.6938, 52.0241



23.4091, 14.6938, 26.9162

Sweetspot

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



11.4989, 14.6945, 2.2304



24.5458, 28.0652, 17.0953



6.9127, 3.7155, 0.3530



5.6074, 6.4609, 3.6757



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.



11.4989, 14.6945, 2.2304



20.5348, 26.2833, 3.9909



7.0818, 12.4174, 2.0237



3.6142, 3.9020, 3.6360



13.0346, 16.6633, 2.5293



64.5603, 82.8161, 12.5824

Inverse Universe

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



3.1062, 1.2570, 15.7026



5.5047, 2.2212, 28.1141



5.2223, 2.3479, 15.8016



3.2425, 3.3133, 4.2228



3.5140, 1.4209, 17.8107



17.1712, 6.9064, 88.7072

Previews

White Background



This preview shows how the XYZ color 11.4986, 14.6938, 2.2301 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



This preview shows how the XYZ color 11.4986, 14.6938, 2.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

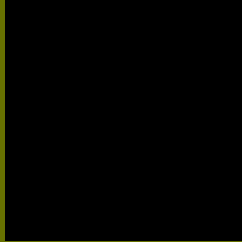
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.4986, 14.6938, 2.2301

Background



This preview shows how black text looks on a background with the XYZ color 11.4986, 14.6938, 2.2301.



This preview shows how white text looks on a background with the XYZ color 11.4986, 14.6938,

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

11.4986, 14.6938, 2.2301

Protanopia

13.1429, 14.5803, 2.1216

Deuteranopia

14.7629, 14.5053, 2.6378



Tritanopia

14.5878, 14.6749, 17.6865

Trichromacy



Original Color

11.4986, 14.6938, 2.2301

Protanomaly

12.4081, 14.5147, 2.1476

Deuteranomaly

13.2863, 14.3406, 2.4156

Tritanomaly

12.7166, 14.3811, 8.2365

Monochromacy



Original Color

11.4986, 14.6938, 2.2301

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.8653, 12.7009, 6.4363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4986, 14.6938, 2.2301 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(103, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(103, 113, 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(103, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.4986, 14.6938, 2.2301 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(103, 113, 0) }
```


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

```
.border{ border-color:rgb(103, 113, 0) }
```

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

Here you see how a box with a 4 pixel rgb(103, 113, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(103, 113,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4986, 14.6938, 2.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 113, 0) }
```

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

```
.background{ background-color: rgb(103,  
113, 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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