

Converting Colors

XYZ(11.1611, 14.1774, 0.0000)

Have a look what the booklet for
XYZ(11.1611, 14.1774, 0.0000)
contains.

XYZ(11.6283, 14.4331, 2.1730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.6283, 14.4331,
2.1730)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6F00
RGB	106, 111, 0
RGB Percent	42%, 44%, 0%
CMY	0.5843, 0.5647, 1.0000
CMYK	0.05, 0.00, 1.00, 0.56
HSL	63°, 100%, 22%
HSV	63°, 100%, 44%
XYZ	11.6283, 14.4331, 2.1730
YIQ	96.8510, 32.6510, -35.5810

Conversions

Conversions Part 2

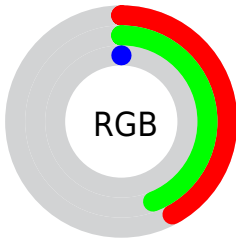
Format	Color
RYB	0, 111, 5
Decimal	6975232
CIELab	44.85, -14.06, 50.66
CIELCh	45, 52.575, 105.510
Yxy	14.4331, 0.4118, 0.5112
Android (android.graphics.Color)	4285165312 (0xFF6A6F00)
YUV	96.8510, -47.7475, 8.0237
Hunter-Lab	37.9909, -11.8486, 23.2024

Details

The XYZ color **11.6283, 14.4331, 2.1730** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.9322, 1.1803, 15.1132**, and the grayscale version is **11.4341, 12.0296, 13.1002**.

A 20% lighter version of the original color is **28.2598, 33.6512, 9.4208**, and **3.4089, 4.4790, 0.6849** is the 20% darker color. If you saturate the color by 10%, you get **11.6286, 14.4337, 2.1731**, and if you desaturate by 10%, it is **11.7493, 14.4889, 2.4973**.

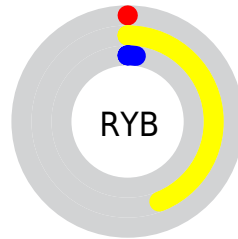
Distribution



Red (42%)

Green (44%)

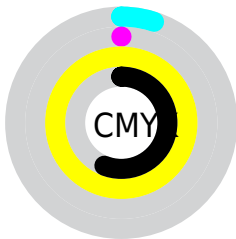
Blue (0%)



Red (0%)

Yellow (44%)

Blue (2%)

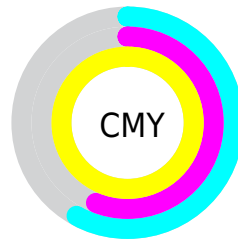


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (58%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6283, 14.4331, 2.1730 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 11.6283, 14.4331, 2.1730 by changing the saturation by 10% instead.

■ 11.6283, 14.4331,
2.1730

■ 11.6283, 14.4331,
2.1730

195.7494,
219.9088, 125.0078

■ 6.5615, 8.4225,
0.6587

■ 28.4391, 33.8555,
9.5086

■ 3.2333, 4.3665,
0.0000

■ 40.9137, 48.0362,
16.1981

■ 1.2783, 1.8806,
0.0000

■ 56.5884, 65.7090,
25.4602

■ 0.1669, 0.5367,
0.0000

■ 75.8285, 87.2583,
37.7134


■ 0.0000, 0.0000,
0.0000


■ 98.9992, 113.0685,
53.3762


■ 126.4661,


143.5241, 72.8672


 158.5943,
179.0094, 96.6049


 11.6283, 14.4331,
2.1730


 11.6283, 14.4331,
2.1730


 11.6286, 14.4337,
2.1731

 11.7493, 14.4889,
2.4973

 11.8951, 14.5542,
2.9519

 12.0874, 14.6381,
3.6499

 12.3316, 14.7428,
4.6190

 12.6322, 14.8700,
5.8831

■ 12.9931, 15.0215,
7.4635

■ 13.4182, 15.1987,
9.3796

■ 13.9108, 15.4029,
11.6492

■ 14.4739, 15.6354,
14.2888

Harmonies

Analogous

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



15.8876, 14.4331, 2.1440



11.6283, 14.4331, 2.1730



8.6345, 14.4331, 4.2921

Triad

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



11.6283, 14.4331, 2.1730



8.7110, 14.4331, 39.3136



23.3561, 14.4331, 22.3990

Complementary

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



11.6283, 14.4331, 2.1730



2.9322, 1.1803, 15.1132

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.



20.4851, 14.4331, 38.7678



11.6283, 14.4331, 2.1730



11.7559, 14.4331, 51.4846

Square

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



11.6283, 14.4331, 2.1730



7.2055, 14.4331, 22.9177



16.0447, 14.4331, 51.2448



23.3019, 14.4331, 10.2060

Rectangle

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



11.6283, 14.4331, 2.1730



7.4969, 14.4331, 7.8149



16.0447, 14.4331, 51.2448



22.6786, 14.4331, 27.6847

Sweetspot

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



11.6286, 14.4338, 2.1733



23.9589, 27.1862, 16.4889



6.5962, 3.4602, 0.3204



5.6939, 6.5055, 3.6797



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.



11.6286, 14.4338, 2.1733



20.7926, 25.8295, 3.8897



7.0910, 12.0945, 1.9609



3.6277, 3.9089, 3.6366



13.6961, 17.0043, 2.5603



68.0260, 84.6027, 12.7446

Inverse Universe

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



2.9322, 1.1803, 15.1132



5.2199, 2.0974, 27.0595



4.6853, 2.0840, 15.1952



3.2302, 3.3070, 4.2223



3.4487, 1.3873, 17.8076



16.9826, 6.8092, 88.6984

Previews

White Background



This preview shows how the XYZ color 11.6283, 14.4331, 2.1730 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 11.6283, 14.4331, 2.1730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

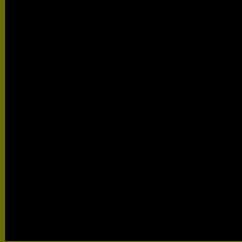
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6283, 14.4331, 2.1730

Background



This preview shows how black text looks on a background with the XYZ color 11.6283, 14.4331, 2.1730.



This preview shows how white text looks on a background with the XYZ color 11.6283, 14.4331,

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

11.6283, 14.4331, 2.1730

Protanopia

12.8998, 14.3011, 2.0805

Deuteranopia

14.5944, 14.4194, 2.5863



Tritanopia

14.6589, 14.4256, 17.0507

Trichromacy



Original Color

11.6283, 14.4331, 2.1730

Protanomaly

12.4328, 14.3700, 2.1184

Deuteranomaly

13.4242, 14.4124, 2.3910

Tritanomaly

12.8469, 14.1425, 8.0139

Monochromacy



Original Color

11.6283, 14.4331, 2.1730

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.8764, 12.5599, 6.4085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6283, 14.4331, 2.1730 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(106, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 111, 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(106, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.6283, 14.4331, 2.1730 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(106, 111, 0) }
```


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

```
.border{ border-color:rgb(106, 111, 0) }
```

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

Here you see how a box with a 4 pixel rgb(106, 111, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 111,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6283, 14.4331, 2.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 111, 0) }
```

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

```
.background{ background-color: rgb(106,  
111, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor