

Converting Colors

XYZ(14.8515, 16.3917, 45.1707)

Have a look what the booklet for
XYZ(14.8515, 16.3917, 45.1707)
contains.

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Color

**XYZ(14.7811, 16.2971,
45.0144)**

Conversions

Conversions Part 1

Format	Color
Hex	0D76B3
RGB	13, 118, 179
RGB Percent	5%, 46%, 70%
CMY	0.9489, 0.5373, 0.2980
CMYK	0.93, 0.34, 0.00, 0.30
HSL	202°, 86%, 38%
HSV	202°, 93%, 70%
XYZ	14.7811, 16.2971, 45.0144
YIQ	93.5590, -82.1610, -3.2890

Conversions

Conversions Part 2

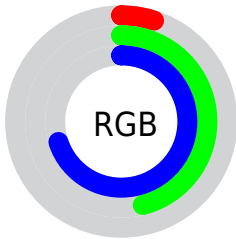
Format	Color
R_{YB}	13, 77, 179
Decimal	882355
CIE _{Lab}	47.36, -4.23, -39.75
CIE _{LCh}	47, 39.971, 263.924
Yxy	16.2971, 0.1943, 0.2142
Android (android.graphics.Color)	4279072435 (0xFF0D76B3)
YUV	93.5590, 42.1224, -70.6502
Hunter-Lab	40.3697, -5.2903, -37.8528

Details

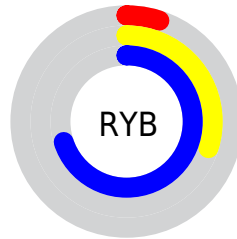
The XYZ color **14.7811, 16.2971, 45.0144** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.1141, 14.5144, 2.0705**, and the grayscale version is **10.4557, 11.0002, 11.9792**.

A 20% lighter version of the original color is **34.0894, 37.1805, 83.9771**, and **5.9561, 5.8867, 20.5610** is the 20% darker color. If you saturate the color by 10%, you get **14.0656, 15.1123, 44.8238**, and if you desaturate by 10%, it is **15.9803, 18.1060, 45.3007**.

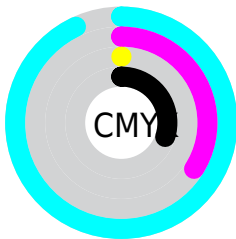
Distribution



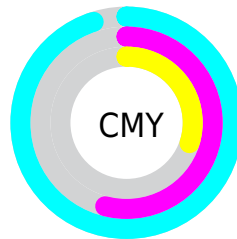
- Red (5%)
- Green (46%)
- Blue (70%)



- Red (5%)
- Yellow (30%)
- Blue (70%)



- Cyan (93%)
- Magenta (34%)
- Yellow (0%)
- Black (30%)



- Cyan (95%)
- Magenta (54%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7811, 16.2971, 45.0144 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 14.7811, 16.2971, 45.0144 by changing the saturation by 10% instead.

■ 14.7811, 16.2971,
45.0144

■ 14.7811, 16.2971,
45.0144

■ 215.4522,
231.0885, 382.9937

■ 8.7512, 9.7346,
31.1257

■ 34.0435, 37.1132,
84.0607

■ 4.6351, 5.2234,
20.4353

■ 48.0068, 52.1357,
110.0554

■ 2.0673, 2.3789,
12.5247

■ 65.3452, 70.7469,
140.9226

■ 0.6714, 0.8150,
6.9752

■ 86.4241, 93.3313,
177.0807

■ 0.0000, 0.0000,
3.3684

■ 111.6089,
120.2732, 218.9483

■ 0.0000, 0.0000,
1.2857

■ 141.2650,

■ 0.0000, 0.0000,

151.9572, 266.9440

0.0500

175.7576,
188.7675, 321.4863

■ 0.0000, 0.0000,
0.0000

■ 14.7811, 16.2971,
45.0144

■ 14.7811, 16.2971,
45.0144

■ 14.0656, 15.1123,
44.8238

■ 15.9803, 18.1060,
45.3007

■ 17.5328, 20.1787,
45.6190

■ 19.4839, 22.5402,
45.9719

■ 21.8709, 25.2113,
46.3617

■ 24.7263, 28.2101,
46.7900

■ 28.0797, 31.5533,
47.2586

■ 31.9577, 35.2561,
47.7689

■ 36.3852, 39.3326,
48.3224

■ 41.3852, 43.7960,
48.9204

Harmonies

Analogous

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



11.8203, 16.2971, 38.6016



14.7811, 16.2971, 45.0144



18.4148, 16.2971, 42.1676

Triad

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



14.7811, 16.2971, 45.0144



22.5754, 16.2971, 10.9601



10.6176, 16.2971, 8.5688

Complementary

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



14.7811, 16.2971, 45.0144



21.1141, 14.5144, 2.0705

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.



12.8924, 16.2971, 5.2313



14.7811, 16.2971, 45.0144



19.8498, 16.2971, 6.1987

Square

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



14.7811, 16.2971, 45.0144



23.2847, 16.2971, 19.8874



16.2210, 16.2971, 4.5687



9.6635, 16.2971, 15.7619

Rectangle

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



14.7811, 16.2971, 45.0144



20.7030, 16.2971, 35.7957



16.2210, 16.2971, 4.5687



11.2348, 16.2971, 7.0881

Sweetspot

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



14.7817, 16.2976, 45.0148



53.1223, 59.2475, 85.0172



17.5188, 32.8191, 11.8698



11.1377, 12.5161, 18.7511



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



14.7817, 16.2976, 45.0148



24.9697, 26.6232, 80.2039



8.9089, 4.5520, 43.0572



8.4748, 9.0959, 10.8153



10.0030, 10.8064, 31.6956



0.3681, 0.4467, 1.0151

Inverse Universe

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



22.0049, 11.1804, 18.1381



38.5429, 19.2634, 29.1936



30.6986, 33.6833, 5.2653



8.7149, 8.5927, 9.9969



15.2837, 7.6310, 11.9199



0.5078, 0.2509, 0.5169

Previews

White Background



This preview shows how the XYZ color 14.7811, 16.2971, 45.0144 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 14.7811, 16.2971, 45.0144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

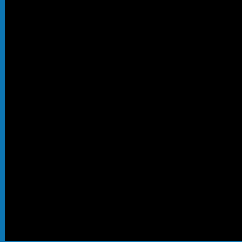
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7811, 16.2971, 45.0144

Background



This preview shows how black text looks on a background with the XYZ color 14.7811, 16.2971, 45.0144.



This preview shows how white text looks on a background with the XYZ color 14.7811, 16.2971,

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

14.7811, 16.2971, 45.0144

Protanopia

17.2388, 16.3041, 41.2681

Deuteranopia

16.6309, 16.2232, 45.4349



Tritanopia

11.4413, 16.1088, 24.6966

Trichromacy



Original Color

14.7811, 16.2971, 45.0144

Protanomaly

15.6296, 15.9295, 42.8084

Deuteranomaly

15.5709, 16.0080, 45.4492

Tritanomaly

12.5271, 16.1533, 31.3118

Monochromacy



Original Color

14.7811, 16.2971, 45.0144

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.7319, 12.3050, 21.2115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7811, 16.2971, 45.0144 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(13, 118, 179)` looks like.

```
.text, #text, p{  
    color:rgb(13, 118, 179)  
}
```

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(13, 118, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 118, 179) }
```

Border

The CSS property to change the border of an element to XYZ 14.7811, 16.2971, 45.0144 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(13, 118, 179) }
```


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

```
.border{ border-color:rgb(13, 118, 179) }
```

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

Here you see how a box with a 4 pixel rgb(13, 118, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 118, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 118, 179);  
box-shadow:4px 4px 4px 4px rgb(13, 118,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7811, 16.2971, 45.0144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 118, 179) }
```

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

```
.background{ background-color: rgb(13, 118,  
179) }
```

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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