

Converting Colors

XYZ(14.7055, 16.4731, 44.7877)

Have a look what the booklet for
XYZ(14.7055, 16.4731, 44.7877)
contains.

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Color

**XYZ(14.7335, 16.4483,
45.0461)**

Conversions

Conversions Part 1

Format	Color
Hex	0077B3
RGB	0, 119, 179
RGB Percent	0%, 47%, 70%
CMY	0.9999, 0.5333, 0.2980
CMYK	1.00, 0.34, 0.00, 0.30
HSL	200°, 100%, 35%
HSV	200°, 100%, 70%
XYZ	14.7335, 16.4483, 45.0461
YIQ	90.2590, -90.1840, -6.5680

Conversions

Conversions Part 2

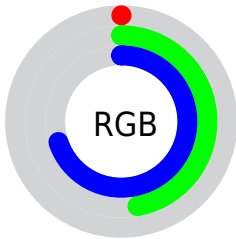
Format	Color
RYB	0, 71, 179
Decimal	30643
CIELab	47.56, -5.36, -39.44
CIELCh	48, 39.807, 262.259
Yxy	16.4483, 0.1933, 0.2158
Android (android.graphics.Color)	4278220723 (0xFF0077B3)
YUV	90.2590, 43.7493, -79.1571
Hunter-Lab	40.5565, -6.1278, -37.4638

Details

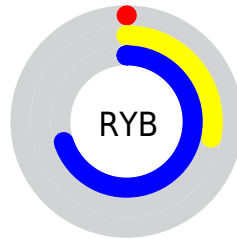
The XYZ color **14.7335, 16.4483, 45.0461** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.2084, 12.8192, 1.4103**, and the grayscale version is **9.6982, 10.2032, 11.1113**.

A 20% lighter version of the original color is **33.9719, 37.3993, 84.0255**, and **6.0191, 6.0128, 20.5820** is the 20% darker color. If you saturate the color by 10%, you get **14.7323, 16.4458, 45.0460**, and if you desaturate by 10%, it is **15.7189, 18.0505, 45.3038**.

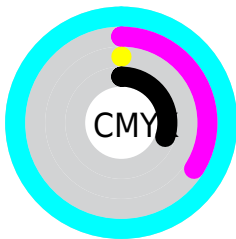
Distribution



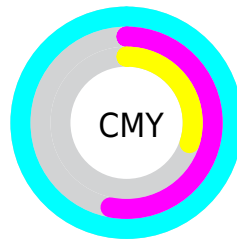
- Red (0%)
- Green (47%)
- Blue (70%)



- Red (0%)
- Yellow (28%)
- Blue (70%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (53%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7335, 16.4483, 45.0461 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 14.7335, 16.4483, 45.0461 by changing the saturation by 10% instead.

■ 14.7335, 16.4483,
45.0461

■ 14.7335, 16.4483,
45.0461

215.1680,
231.9727, 383.1258

■ 8.7177, 9.8419,
31.1505

■ 33.9605, 37.3747,
84.1088

■ 4.6131, 5.2943,
20.4541

■ 47.9023, 52.4636,
110.1129

■ 2.0545, 2.4209,
12.5382

■ 65.2169, 71.1488,
140.9904

■ 0.6643, 0.8366,
6.9844

■ 86.2696, 93.8146,
177.1597

■ 0.0000, 0.0000,
3.3740

■ 111.4256,
120.8455, 219.0393

■ 0.0000, 0.0000,
1.2886

■ 141.0505,

■ 0.0000, 0.0000,

152.6259, 267.0479

0.0525

175.5095,
189.5402, 321.6038

■ 0.0000, 0.0000,
0.0000

■ 14.7335, 16.4483,
45.0461

■ 14.7335, 16.4483,
45.0461

■ 14.7323, 16.4458,
45.0460

■ 15.7189, 18.0505,
45.3038

■ 16.9753, 19.8603,
45.5869

■ 18.5902, 21.9243,
45.9002

■ 20.6054, 24.2650,
46.2458

■ 23.0567, 26.9022,
46.6256

■ 25.9753, 29.8529,
47.0413

■ 29.3897, 33.1329,
47.4944

■ 33.3259, 36.7565,
47.9864

■ 37.8078, 40.7373,
48.5186

Harmonies

Analogous

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



11.8222, 16.4483, 38.2021



14.7335, 16.4483, 45.0461



18.3598, 16.4483, 42.7261

Triad

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



14.7335, 16.4483, 45.0461



22.8270, 16.4483, 11.4869



10.8399, 16.4483, 8.4222

Complementary

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



14.7335, 16.4483, 45.0461



20.2084, 12.8192, 1.4103

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.



13.1916, 16.4483, 5.2384



14.7335, 16.4483, 45.0461



20.1871, 16.4483, 6.4843

Square

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



14.7335, 16.4483, 45.0461



23.4055, 16.4483, 20.6691



16.5697, 16.4483, 4.6958



9.8063, 16.4483, 15.4070

Rectangle

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



14.7335, 16.4483, 45.0461



20.6790, 16.4483, 36.5866



16.5697, 16.4483, 4.6958



11.4839, 16.4483, 6.9998

Sweetspot

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



14.7341, 16.4488, 45.0465



52.2910, 59.0153, 85.0162



16.9281, 32.5637, 9.6254



11.0003, 12.5191, 18.7589



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.



14.7341, 16.4488, 45.0465



26.1701, 29.0240, 80.6041



8.5980, 4.1765, 43.0011



8.4979, 9.1420, 10.8230



10.4723, 11.7449, 31.8520



0.3806, 0.4717, 1.0192

Inverse Universe

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



21.9208, 10.9165, 18.4048



39.1488, 19.5057, 32.3842



29.3656, 31.1336, 4.4627



8.7265, 8.5973, 10.0582



15.5206, 7.7258, 13.1671



0.5141, 0.2534, 0.5501

Previews

White Background



This preview shows how the XYZ color 14.7335, 16.4483, 45.0461 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 14.7335, 16.4483, 45.0461 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 14.7335, 16.4483, 45.0461

Background



This preview shows how black text looks on a background with the XYZ color 14.7335, 16.4483, 45.0461.



This preview shows how white text looks on a background with the XYZ color 14.7335, 16.4483,

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

14.7335, 16.4483, 45.0461

Protanopia

17.3367, 16.3546, 41.2727

Deuteranopia

16.9933, 16.5629, 46.0174



Tritanopia

11.6367, 16.3885, 25.1042

Trichromacy



Original Color

14.7335, 16.4483, 45.0461

Protanomaly

15.3879, 15.8049, 42.7971

Deuteranomaly

15.4957, 16.1376, 45.4782

Tritanomaly

12.5880, 16.3679, 31.3500

Monochromacy



Original Color

14.7335, 16.4483, 45.0461

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.8539, 11.5824, 20.1286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7335, 16.4483, 45.0461 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(0, 119, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 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(0, 119, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 179) }
```

Border

The CSS property to change the border of an element to XYZ 14.7335, 16.4483, 45.0461 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(0, 119, 179) }
```


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

```
.border{ border-color:rgb(0, 119, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7335, 16.4483, 45.0461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 179) }
```

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

```
.background{ background-color: rgb(0, 119,  
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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