

Converting Colors

XYZ(14.7099, 16.0213, 45.6157)

Have a look what the booklet for
XYZ(14.7099, 16.0213, 45.6157)
contains.

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Color

**XYZ(14.7247, 16.0824,
45.5082)**

Conversions

Conversions Part 1

Format	Color
Hex	0A75B4
RGB	10, 117, 180
RGB Percent	4%, 46%, 71%
CMY	0.9606, 0.5412, 0.2941
CMYK	0.94, 0.35, 0.00, 0.29
HSL	202°, 89%, 37%
HSV	202°, 94%, 71%
XYZ	14.7247, 16.0824, 45.5082
YIQ	92.1890, -83.9950, -3.0910

Conversions

Conversions Part 2

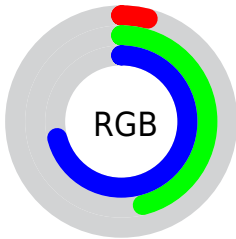
Format	Color
R_{YB}	10, 76, 180
Decimal	685492
CIE _{Lab}	47.08, -3.37, -40.77
CIE _{LCh}	47, 40.910, 265.277
Yxy	16.0824, 0.1929, 0.2107
Android (android.graphics.Color)	4278875572 (0xFF0A75B4)
YUV	92.1890, 43.2908, -72.0798
Hunter-Lab	40.1029, -4.6396, -39.2095

Details

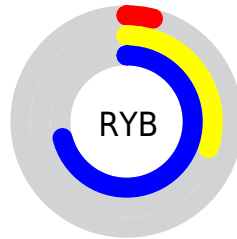
The XYZ color **14.7247, 16.0824, 45.5082** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.2624, 14.4951, 1.9654**, and the grayscale version is **10.1361, 10.6639, 11.6130**.

A 20% lighter version of the original color is **33.9444, 36.8117, 84.6732**, and **5.9589, 5.7885, 20.8819** is the 20% darker color. If you saturate the color by 10%, you get **14.1748, 15.1684, 45.3611**, and if you desaturate by 10%, it is **15.8849, 17.8762, 45.7936**.

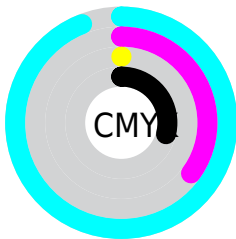
Distribution



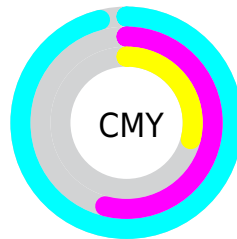
- Red (4%)
- Green (46%)
- Blue (71%)



- Red (4%)
- Yellow (30%)
- Blue (71%)



- Cyan (94%)
- Magenta (35%)
- Yellow (0%)
- Black (29%)



- Cyan (96%)
- Magenta (54%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7247, 16.0824, 45.5082 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 14.7247, 16.0824, 45.5082 by changing the saturation by 10% instead.

■ 14.7247, 16.0824,
45.5082

■ 14.7247, 16.0824,
45.5082

■ 215.1154,
229.8275, 385.0479

■ 8.7115, 9.5825,
31.5120

■ 33.9451, 36.7412,
84.8090

■ 4.6091, 5.1230,
20.7273

■ 47.8830, 51.6689,
110.9507

■ 2.0521, 2.3196,
12.7355

■ 65.1932, 70.1746,
141.9781

■ 0.6630, 0.7841,
7.1181

■ 86.2410, 92.6427,
178.3096

■ 0.0000, 0.0000,
3.4565

■ 111.3917,
119.4577, 220.3638

■ 0.0000, 0.0000,
1.3322

■ 141.0108,

■ 0.0000, 0.0000,

151.0038, 268.5592

0.0880

175.4636,
187.6656, 323.3144

■ 0.0000, 0.0000,
0.0000

■ 14.7247, 16.0824,
45.5082

■ 14.7247, 16.0824,
45.5082

■ 14.1748, 15.1684,
45.3611

■ 15.8849, 17.8762,
45.7936

■ 17.3952, 19.9342,
46.1113

■ 19.3030, 22.2826,
46.4640

■ 21.6473, 24.9432,
46.8540

■ 24.4618, 27.9347,
47.2831

■ 27.7769, 31.2744,
47.7530

■ 31.6202, 34.9779,
48.2653

■ 36.0171, 39.0598,
48.8214

■ 40.9913, 43.5336,
49.4228

Harmonies

Analogous

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



11.6829, 16.0824, 39.2901



14.7247, 16.0824, 45.5082



18.4252, 16.0824, 42.1454

Triad

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



14.7247, 16.0824, 45.5082



22.4121, 16.0824, 10.3563



10.2874, 16.0824, 8.4948

Complementary

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



14.7247, 16.0824, 45.5082



21.2624, 14.4951, 1.9654

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.



12.5250, 16.0824, 5.0314



14.7247, 16.0824, 45.5082



19.5624, 16.0824, 5.7737

Square

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



14.7247, 16.0824, 45.5082



23.2445, 16.0824, 19.1891



15.8611, 16.0824, 4.2779



9.3892, 16.0824, 15.9337

Rectangle

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



14.7247, 16.0824, 45.5082



20.7308, 16.0824, 35.4208



15.8611, 16.0824, 4.2779



10.8890, 16.0824, 6.9620

Sweetspot

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



14.7253, 16.0829, 45.5086



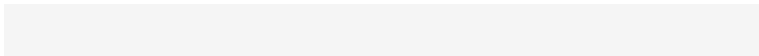
54.3898, 60.6180, 87.1284



17.6284, 33.1801, 11.6673



11.1253, 12.4914, 18.7470



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.



14.7253, 16.0829, 45.5086



25.4716, 27.0429, 82.1719



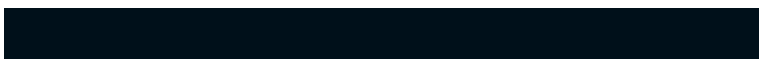
8.8994, 4.4311, 43.5666



8.4726, 9.0914, 10.8146



9.9590, 10.7184, 31.6810



0.3669, 0.4444, 1.0147

Inverse Universe

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



22.1424, 11.2056, 17.8258



39.4461, 19.7210, 29.5964



30.9919, 33.9541, 5.2085



8.7137, 8.5922, 9.9910



15.2615, 7.6222, 11.8030



0.5072, 0.2506, 0.5137

Previews

White Background



This preview shows how the XYZ color 14.7247, 16.0824, 45.5082 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 14.7247, 16.0824, 45.5082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

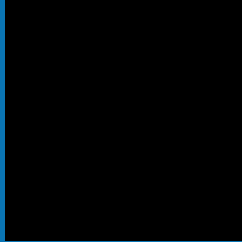
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7247, 16.0824, 45.5082

Background



This preview shows how black text looks on a background with the XYZ color 14.7247, 16.0824, 45.5082.



This preview shows how white text looks on a background with the XYZ color 14.7247, 16.0824,

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

14.7247, 16.0824, 45.5082

Protanopia

17.0360, 16.0291, 41.7312

Deuteranopia

16.5186, 16.1535, 45.9634



Tritanopia

11.4413, 16.1088, 24.6966

Trichromacy



Original Color

14.7247, 16.0824, 45.5082

Protanomaly

15.4941, 15.6836, 43.2849

Deuteranomaly

15.5301, 15.9752, 45.9811

Tritanomaly

12.3925, 15.9026, 31.2705

Monochromacy



Original Color

14.7247, 16.0824, 45.5082

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.2784, 11.7867, 20.8021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7247, 16.0824, 45.5082 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(10, 117, 180)` looks like.

```
.text, #text, p{  
    color:rgb(10, 117, 180)  
}
```

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(10, 117, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 117, 180) }
```

Border

The CSS property to change the border of an element to XYZ 14.7247, 16.0824, 45.5082 is called "border". The border property can be set on classes, ids or directly on the HTML element.

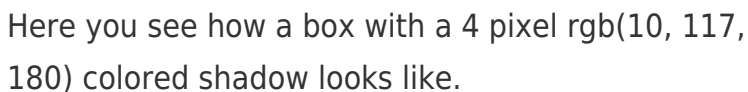
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(10, 117, 180) }
```


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

```
.border{ border-color:rgb(10, 117, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(10, 117, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(10, 117, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(10, 117, 180); box-shadow:4px 4px 4px 4px rgb(10, 117, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7247, 16.0824, 45.5082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 117, 180) }
```

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

```
.background{ background-color: rgb(10, 117,  
180) }
```

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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