

Converting Colors

XYZ(11.6224, 13.5924, 45.6240)

Have a look what the booklet for
XYZ(11.6224, 13.5924, 45.6240)
contains.

XYZ(14.1347, 14.9245, 45.8518)	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(14.1347, 14.9245,
45.8518)**

Conversions

Conversions Part 1

Format	Color
Hex	0070B5
RGB	0, 112, 181
RGB Percent	0%, 44%, 71%
CMY	0.9998, 0.5608, 0.2902
CMYK	1.00, 0.38, 0.00, 0.29
HSL	203°, 100%, 35%
HSV	203°, 100%, 71%
XYZ	14.1347, 14.9245, 45.8518
YIQ	86.3780, -88.9010, -2.2850

Conversions

Conversions Part 2

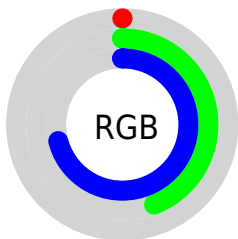
Format	Color
RYB	0, 69, 181
Decimal	28853
CIELab	45.53, -0.32, -43.82
CIELCh	46, 43.823, 269.587
Yxy	14.9245, 0.1887, 0.1992
Android (android.graphics.Color)	4278218933 (0xFF0070B5)
YUV	86.3780, 46.6486, -75.7535
Hunter-Lab	38.6322, -2.2971, -43.3275

Details

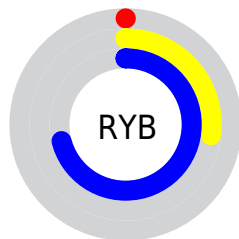
The XYZ color **14.1347, 14.9245, 45.8518** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.1871, 14.0853, 1.6032**, and the grayscale version is **8.8459, 9.3065, 10.1348**.

A 20% lighter version of the original color is **32.7969, 34.5841, 85.0676**, and **5.7866, 5.3391, 21.1476** is the 20% darker color. If you saturate the color by 10%, you get **14.1330, 14.9212, 45.8516**, and if you desaturate by 10%, it is **15.1779, 16.6366, 46.1276**.

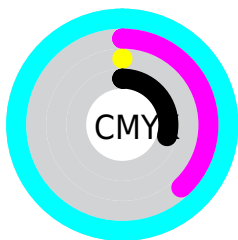
Distribution



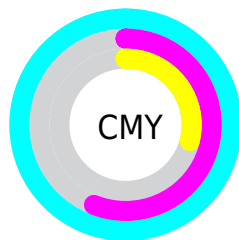
- Red (0%)
- Green (44%)
- Blue (71%)



- Red (0%)
- Yellow (27%)
- Blue (71%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (56%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1347, 14.9245, 45.8518 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 14.1347, 14.9245, 45.8518 by changing the saturation by 10% instead.

■ 14.1347, 14.9245,
45.8518

■ 14.1347, 14.9245,
45.8518

211.5611,
222.9088, 386.4728

■ 8.2967, 8.7664,
31.7811

■ 32.9121, 34.7207,
85.3291

■ 4.3388, 4.5891,
20.9309

■ 46.5823, 49.1276,
111.5728

■ 1.8955, 2.0083,
12.8827

■ 63.5939, 67.0528,
142.7111

■ 0.5742, 0.6123,
7.2181

■ 84.3123, 88.8809,
179.1628

■ 0.0000, 0.0000,
3.5183

■ 109.1029,
114.9961, 221.3462

■ 0.0000, 0.0000,
1.3650

■ 138.3310,

■ 0.0000, 0.0000,

145.7829, 269.6800

0.1142

172.3619,
181.6257, 324.5827

■ 0.0000, 0.0000,
0.0000

■ 14.1347, 14.9245,
45.8518

■ 14.1347, 14.9245,
45.8518

■ 14.1330, 14.9212,
45.8516

■ 15.1779, 16.6366,
46.1276

■ 16.5124, 18.5872,
46.4338

■ 18.2275, 20.8245,
46.7752

■ 20.3668, 23.3725,
47.1543

■ 22.9674, 26.2521,
47.5730

■ 26.0617, 29.4817,
48.0333

■ 29.6795, 33.0783,
48.5369

■ 33.8476, 37.0573,
49.0852

■ 38.5912, 41.4331,
49.6798

Harmonies

Analogous

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



10.9151, 14.9245, 40.5393



14.1347, 14.9245, 45.8518



17.9481, 14.9245, 40.8067

Triad

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



14.1347, 14.9245, 45.8518



21.2208, 14.9245, 8.1971



8.9442, 14.9245, 8.0390

Complementary

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



14.1347, 14.9245, 45.8518



21.1871, 14.0853, 1.6032

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.



10.9889, 14.9245, 4.2755



14.1347, 14.9245, 45.8518



18.0510, 14.9245, 4.3353

Square

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



14.1347, 14.9245, 45.8518



22.4426, 14.9245, 16.3957



14.2360, 14.9245, 3.2855



8.2516, 14.9245, 16.1056

Rectangle

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



14.1347, 14.9245, 45.8518



20.2410, 14.9245, 33.1140



14.2360, 14.9245, 3.2855



9.4767, 14.9245, 6.3790

Sweetspot

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



14.1353, 14.9250, 45.8522



52.7913, 58.8877, 86.8787



17.5195, 33.4463, 10.7476



10.8088, 12.1361, 18.6951



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.



14.1353, 14.9250, 45.8522



25.0855, 26.2707, 82.0432



8.6712, 3.9968, 44.0308



8.4650, 9.0763, 10.8121



9.8115, 10.4233, 31.6318



0.3629, 0.4364, 1.0133

Inverse Universe

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



21.9813, 10.9946, 16.2930



39.2512, 19.6430, 28.5701



31.0919, 33.8948, 4.9048



8.7099, 8.5907, 9.9709



15.1870, 7.5924, 11.4108



0.5052, 0.2498, 0.5031

Previews

White Background



This preview shows how the XYZ color 14.1347, 14.9245, 45.8518 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 14.1347, 14.9245, 45.8518 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 14.1347, 14.9245, 45.8518

Background



This preview shows how black text looks on a background with the XYZ color 14.1347, 14.9245, 45.8518.



This preview shows how white text looks on a background with the XYZ color 14.1347, 14.9245,

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

14.1347, 14.9245, 45.8518

Protanopia

16.0977, 14.9038, 42.5857

Deuteranopia

15.3816, 14.9147, 46.3241



Tritanopia

10.6128, 14.9915, 22.7564

Trichromacy



Original Color

14.1347, 14.9245, 45.8518

Protanomaly

14.6636, 14.6033, 43.6408

Deuteranomaly

14.6053, 14.6720, 46.3182

Tritanomaly

11.6277, 14.8292, 29.8532

Monochromacy



Original Color

14.1347, 14.9245, 45.8518

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.1189, 10.3771, 19.6115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1347, 14.9245, 45.8518 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, 112, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 181)  
}
```

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, 112, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 181) }
```

Border

The CSS property to change the border of an element to XYZ 14.1347, 14.9245, 45.8518 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, 112, 181) }
```


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

```
.border{ border-color:rgb(0, 112, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1347, 14.9245, 45.8518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 181) }
```

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

```
.background{ background-color: rgb(0, 112,  
181) }
```

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