

Converting Colors

XYZ(3.6623, 9.5379, 44.7223)

Have a look what the booklet for
XYZ(3.6623, 9.5379, 44.7223)
contains.

XYZ(14.0324, 14.8836, 45.3133)	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(14.0324, 14.8836,
45.3133)**

Conversions

Conversions Part 1

Format	Color
Hex	0070B4
RGB	0, 112, 180
RGB Percent	0%, 44%, 71%
CMY	0.9999, 0.5608, 0.2941
CMYK	1.00, 0.38, 0.00, 0.29
HSL	203°, 100%, 35%
HSV	203°, 100%, 71%
XYZ	14.0324, 14.8836, 45.3133
YIQ	86.2640, -88.5800, -2.5960

Conversions

Conversions Part 2

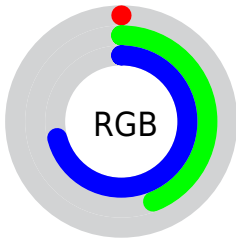
Format	Color
RYB	0, 69, 180
Decimal	28852
CIELab	45.47, -0.71, -43.33
CIELCh	45, 43.336, 269.056
Yxy	14.8836, 0.1890, 0.2005
Android (android.graphics.Color)	4278218932 (0xFF0070B4)
YUV	86.2640, 46.2118, -75.6535
Hunter-Lab	38.5793, -2.5881, -42.6336

Details

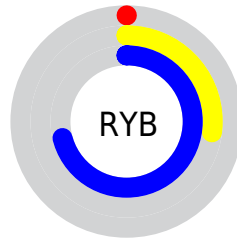
The XYZ color **14.0324, 14.8836, 45.3133** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.8921, 13.8421, 1.5717**, and the grayscale version is **8.8223, 9.2817, 10.1078**.

A 20% lighter version of the original color is **32.6511, 34.5258, 84.3001**, and **5.7211, 5.3129, 20.8026** is the 20% darker color. If you saturate the color by 10%, you get **14.0310, 14.8808, 45.3132**, and if you desaturate by 10%, it is **15.0617, 16.5709, 45.5851**.

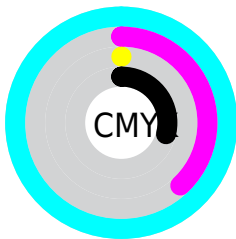
Distribution



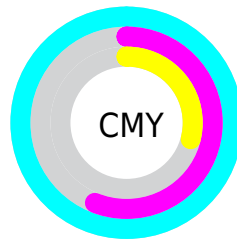
- Red (0%)
- Green (44%)
- Blue (71%)



- 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 14.0324, 14.8836, 45.3133 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 14.0324, 14.8836, 45.3133 by changing the saturation by 10% instead.

■ 14.0324, 14.8836,
45.3133

■ 14.0324, 14.8836,
45.3133

210.9389,
222.6606, 384.2380

■ 8.2251, 8.7377,
31.3595

■ 32.7323, 34.6489,
84.5138

■ 4.2923, 4.5705,
20.6120

■ 46.3555, 49.0370,
110.5976

■ 1.8688, 1.9975,
12.6522

■ 63.3148, 66.9414,
141.5618

■ 0.5586, 0.6060,
7.0616

■ 83.9755, 88.7464,
177.8249

■ 0.0000, 0.0000,
3.4216

■ 108.7028,
114.8365, 219.8056

■ 0.0000, 0.0000,
1.3137

■ 137.8623,

■ 0.0000, 0.0000,

145.5959, 267.9223

0.0730

171.8192,
181.4092, 322.5936

■ 0.0000, 0.0000,
0.0000

■ 14.0324, 14.8836,
45.3133

■ 14.0324, 14.8836,
45.3133

■ 14.0310, 14.8808,
45.3132

■ 15.0617, 16.5709,
45.5851

■ 16.3774, 18.4916,
45.8864

■ 18.0679, 20.6932,
46.2223

■ 20.1761, 23.1995,
46.5950

■ 22.7384, 26.0310,
47.0064

■ 25.7872, 29.2058,
47.4586

■ 29.3513, 32.7405,
47.9530

■ 33.4576, 36.6504,
48.4912

■ 38.1307, 40.9496,
49.0748

Harmonies

Analogous

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



10.8692, 14.8836, 39.9318



14.0324, 14.8836, 45.3133



17.7922, 14.8836, 40.5321

Triad

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



14.0324, 14.8836, 45.3133



21.1224, 14.8836, 8.3418



8.9895, 14.8836, 7.9828

Complementary

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



14.0324, 14.8836, 45.3133



20.8921, 13.8421, 1.5717

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.



11.0362, 14.8836, 4.3001



14.0324, 14.8836, 45.3133



18.0239, 14.8836, 4.4367

Square

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



14.0324, 14.8836, 45.3133



22.2829, 14.8836, 16.5353



14.2610, 14.8836, 3.3485



8.2795, 14.8836, 15.8805

Rectangle

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



14.0324, 14.8836, 45.3133



20.0635, 14.8836, 33.0340



14.2610, 14.8836, 3.3485



9.5247, 14.8836, 6.3579

Sweetspot

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



14.0330, 14.8841, 45.3137



52.8504, 59.0060, 86.8984



17.3059, 33.0367, 10.6225



10.8230, 12.1645, 18.6998



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.



14.0330, 14.8841, 45.3137



25.2097, 26.5192, 82.0846



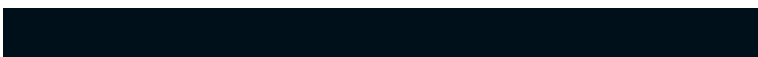
8.5660, 3.9501, 43.4914



8.4675, 9.0812, 10.8129



9.8590, 10.5183, 31.6476



0.3642, 0.4390, 1.0138

Inverse Universe

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



21.7476, 10.8741, 16.2821



39.3139, 19.6681, 28.9003



30.7122, 33.4823, 4.8451



8.7112, 8.5912, 9.9774



15.2110, 7.6020, 11.5371



0.5059, 0.2501, 0.5065

Previews

White Background



This preview shows how the XYZ color 14.0324, 14.8836, 45.3133 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 14.0324, 14.8836, 45.3133 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 14.0324, 14.8836, 45.3133

Background



This preview shows how black text looks on a background with the XYZ color 14.0324, 14.8836, 45.3133.



This preview shows how white text looks on a background with the XYZ color 14.0324, 14.8836,

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

14.0324, 14.8836, 45.3133

Protanopia

16.0849, 14.9085, 42.0743

Deuteranopia

15.3339, 14.9021, 45.7843



Tritanopia

10.4931, 14.7522, 22.7165

Trichromacy



Original Color

14.0324, 14.8836, 45.3133

Protanomaly

14.6152, 14.5898, 43.1201

Deuteranomaly

14.5367, 14.6485, 45.7773

Tritanomaly

11.5119, 14.5974, 29.8146

Monochromacy



Original Color

14.0324, 14.8836, 45.3133

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.0579, 10.3527, 19.2902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0324, 14.8836, 45.3133 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 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(0, 112, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 180) }
```

Border

The CSS property to change the border of an element to XYZ 14.0324, 14.8836, 45.3133 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, 180) }
```


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

```
.border{ border-color:rgb(0, 112, 180) }
```

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, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0324, 14.8836, 45.3133 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, 180) }
```

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

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