

Converting Colors

XYZ(5.9029, 11.0882, 45.4073)

Have a look what the booklet for
XYZ(5.9029, 11.0882, 45.4073)
contains.

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Color

**XYZ(14.3578, 15.3708,
45.9262)**

Conversions

Conversions Part 1

Format	Color
Hex	0072B5
RGB	0, 114, 181
RGB Percent	0%, 45%, 71%
CMY	0.9999, 0.5529, 0.2902
CMYK	1.00, 0.37, 0.00, 0.29
HSL	202°, 100%, 35%
HSV	202°, 100%, 71%
XYZ	14.3578, 15.3708, 45.9262
YIQ	87.5520, -89.4510, -3.3310

Conversions

Conversions Part 2

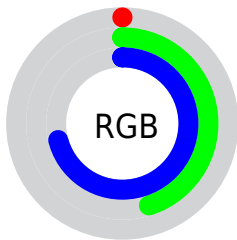
Format	Color
RYB	0, 70, 181
Decimal	29365
CIELab	46.14, -1.55, -42.86
CIELCh	46, 42.884, 267.933
Yxy	15.3708, 0.1898, 0.2032
Android (android.graphics.Color)	4278219445 (0xFF0072B5)
YUV	87.5520, 46.0699, -76.7831
Hunter-Lab	39.2056, -3.2399, -42.0095

Details

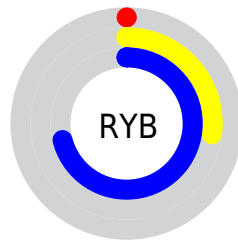
The XYZ color **14.3578, 15.3708, 45.9262** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.0657, 13.8425, 1.5626**, and the grayscale version is **9.0981, 9.5719, 10.4238**.

A 20% lighter version of the original color is **33.1548, 35.3000, 85.1869**, and **5.9034, 5.5728, 21.1866** is the 20% darker color. If you saturate the color by 10%, you get **14.3565, 15.3680, 45.9261**, and if you desaturate by 10%, it is **15.3938, 17.0686, 46.1997**.

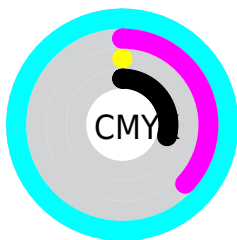
Distribution



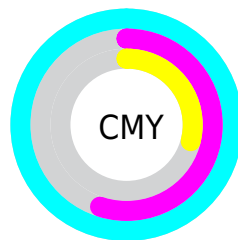
- Red (0%)
- Green (45%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (29%)



- Cyan (100%)
- Magenta (55%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3578, 15.3708, 45.9262 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 14.3578, 15.3708, 45.9262 by changing the saturation by 10% instead.

■ 14.3578, 15.3708,
45.9262

■ 14.3578, 15.3708,
45.9262

■ 212.9119,
225.5997, 386.7808

■ 8.4533, 9.0800,
31.8393

■ 33.3035, 35.5024,
85.4417

■ 4.4406, 4.7934,
20.9750

■ 47.0755, 50.1120,
111.7073

■ 1.9543, 2.1266,
12.9147

■ 64.2007, 68.2633,
142.8697

■ 0.6081, 0.6795,
7.2398

■ 85.0444, 90.3407,
179.3473

■ 0.0000, 0.0000,
3.5318

■ 109.9720,
116.7287, 221.5587

■ 0.0000, 0.0000,
1.3722

■ 139.3489,

■ 0.0000, 0.0000,

147.8116, 269.9224

0.1199

173.5404,
183.9738, 324.8569

■ 0.0000, 0.0000,
0.0000

■ 14.3578, 15.3708,
45.9262

■ 14.3578, 15.3708,
45.9262

■ 14.3565, 15.3680,
45.9261

■ 15.3938, 17.0686,
46.1997

■ 16.7180, 18.9987,
46.5024

■ 18.4196, 21.2090,
46.8394

■ 20.5420, 23.7234,
47.2128

■ 23.1222, 26.5625,
47.6248

■ 26.1927, 29.7446,
48.0772

■ 29.7829, 33.2863,
48.5716

■ 33.9198, 37.2031,
49.1096

■ 38.6283, 41.5091,
49.6925

Harmonies

Analogous

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



11.1915, 15.3708, 40.1977



14.3578, 15.3708, 45.9262



18.1494, 15.3708, 41.5120

Triad

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



14.3578, 15.3708, 45.9262



21.7278, 15.3708, 8.9767



9.4331, 15.3708, 8.1730

Complementary

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



14.3578, 15.3708, 45.9262



21.0657, 13.8425, 1.5626

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.



11.5626, 15.3708, 4.5192



14.3578, 15.3708, 45.9262



18.6609, 15.3708, 4.8289

Square

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



14.3578, 15.3708, 45.9262



22.8044, 15.3708, 17.4717



14.8641, 15.3708, 3.6146



8.6588, 15.3708, 16.0216

Rectangle

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



14.3578, 15.3708, 45.9262



20.4627, 15.3708, 34.1358



14.8641, 15.3708, 3.6146



9.9947, 15.3708, 6.5592

Sweetspot

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



14.3584, 15.3713, 45.9266



52.9814, 59.2679, 86.9420



17.5194, 33.4462, 10.7471



10.8544, 12.2273, 18.7103



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.



14.3584, 15.3713, 45.9266



25.4872, 27.0742, 82.1771



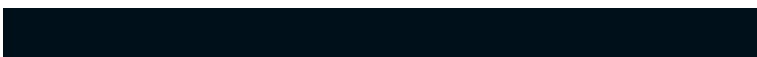
8.6710, 3.9965, 44.0308



8.4729, 9.0920, 10.8147



9.9650, 10.7304, 31.6829



0.3671, 0.4447, 1.0147

Inverse Universe

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



22.0939, 11.0395, 16.8862



39.4539, 19.7241, 29.6379



31.0917, 33.8946, 4.9046



8.7139, 8.5923, 9.9918



15.2645, 7.6234, 11.8188



0.5073, 0.2507, 0.5142

Previews

White Background



This preview shows how the XYZ color 14.3578, 15.3708, 45.9262 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 14.3578, 15.3708, 45.9262 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 14.3578, 15.3708, 45.9262

Background



This preview shows how black text looks on a background with the XYZ color 14.3578, 15.3708, 45.9262.



This preview shows how white text looks on a background with the XYZ color 14.3578, 15.3708,

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

14.3578, 15.3708, 45.9262

Protanopia

16.4650, 15.4104, 42.1511

Deuteranopia

15.8829, 15.4899, 46.4087



Tritanopia

10.8666, 15.2865, 23.4969

Trichromacy



Original Color

14.3578, 15.3708, 45.9262

Protanomaly

14.9799, 15.0831, 43.7168

Deuteranomaly

14.9273, 15.1583, 46.3951

Tritanomaly

11.9032, 15.1268, 30.7262

Monochromacy



Original Color

14.3578, 15.3708, 45.9262

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.4184, 10.7953, 19.9996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3578, 15.3708, 45.9262 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, 114, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 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, 114, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 181) }
```

Border

The CSS property to change the border of an element to XYZ 14.3578, 15.3708, 45.9262 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, 114, 181) }
```


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

```
.border{ border-color:rgb(0, 114, 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, 114, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3578, 15.3708, 45.9262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 181) }
```

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

```
.background{ background-color: rgb(0, 114,  
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](#).

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