

Converting Colors

XYZ(12.2596, 14.7000, 38.7682)

Have a look what the booklet for
XYZ(12.2596, 14.7000, 38.7682)
contains.

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Color

**XYZ(13.2204, 15.2808,
38.8119)**

Conversions

Conversions Part 1

Format	Color
Hex	0074A7
RGB	0, 116, 167
RGB Percent	0%, 45%, 65%
CMY	0.9999, 0.5451, 0.3451
CMYK	1.00, 0.31, 0.00, 0.35
HSL	198°, 100%, 33%
HSV	198°, 100%, 65%
XYZ	13.2204, 15.2808, 38.8119
YIQ	87.1300, -85.5070, -8.7310

Conversions

Conversions Part 2

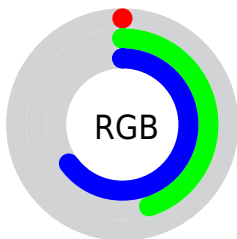
Format	Color
RYB	0, 68, 167
Decimal	29863
CIELab	46.02, -8.25, -34.88
CIElCh	46, 35.844, 256.695
Yxy	15.2808, 0.1964, 0.2270
Android (android.graphics.Color)	4278219943 (0xFF0074A7)
YUV	87.1300, 39.3759, -76.4130
Hunter-Lab	39.0907, -8.0402, -31.5037

Details

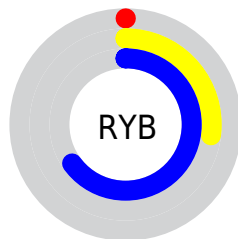
The XYZ color **13.2204, 15.2808, 38.8119** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.1215, 10.5854, 1.1415**, and the grayscale version is **9.0200, 9.4897, 10.3343**.

A 20% lighter version of the original color is **31.3073, 35.4030, 74.2906**, and **5.1616, 5.3720, 16.9845** is the 20% darker color. If you saturate the color by 10%, you get **13.2198, 15.2794, 38.8120**, and if you desaturate by 10%, it is **14.0512, 16.6063, 39.0243**.

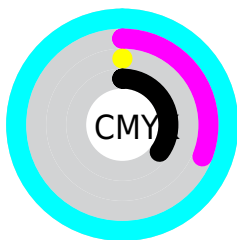
Distribution



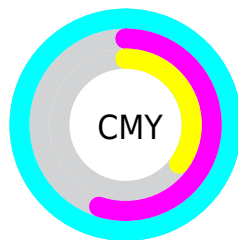
- Red (0%)
- Green (45%)
- Blue (65%)



- Red (0%)
- Yellow (27%)
- Blue (65%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (55%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2204, 15.2808, 38.8119 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 13.2204, 15.2808, 38.8119 by changing the saturation by 10% instead.

■ 13.2204, 15.2808,
38.8119

■ 13.2204, 15.2808,
38.8119

205.9346,
225.0596, 356.4922

■ 7.6585, 9.0167,
26.3067

■ 31.2971, 35.3450,
74.5681

■ 3.9272, 4.7521,
16.8254

■ 44.5427, 49.9140,
98.6561

■ 1.6610, 2.1025,
9.9495

■ 61.0802, 68.0199,
127.4422

■ 0.4317, 0.6661,
5.2603

■ 81.2751, 90.0474,
161.3449

■ 0.0000, 0.0000,
2.3394

■ 105.4926,
116.3807, 200.7827

■ 0.0000, 0.0000,
0.7532

■ 134.0981,

■ 0.0000, 0.0000,

147.4042, 246.1741

0.0000

167.4570,
183.5024, 297.9378

■ 13.2204, 15.2808,
38.8119

■ 13.2204, 15.2808,
38.8119

■ 13.2198, 15.2794,
38.8120

■ 14.0512, 16.6063,
39.0243

■ 15.1028, 18.0941,
39.2560

■ 16.4538, 19.7856,
39.5113

■ 18.1391, 21.6996,
39.7919

■ 20.1884, 23.8520,
40.0994

■ 22.6281, 26.2572,
40.4350

■ 25.4819, 28.9281,
40.8002

■ 28.7714, 31.8764,
41.1959

■ 32.5169, 35.1132,
41.6232

Harmonies

Analogous

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



10.8738, 15.2808, 32.0270



13.2204, 15.2808, 38.8119



16.2679, 15.2808, 38.3631

Triad

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



13.2204, 15.2808, 38.8119



20.8699, 15.2808, 12.2793



10.6736, 15.2808, 7.5980

Complementary

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



13.2204, 15.2808, 38.8119



17.1215, 10.5854, 1.1415

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.



12.9093, 15.2808, 5.2062



13.2204, 15.2808, 38.8119



18.9112, 15.2808, 7.1905

Square

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



13.2204, 15.2808, 38.8119



20.9840, 15.2808, 20.7938



15.9105, 15.2808, 5.0891



9.5478, 15.2808, 13.0768

Rectangle

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



13.2204, 15.2808, 38.8119



18.3024, 15.2808, 33.9847



15.9105, 15.2808, 5.0891



11.3049, 15.2808, 6.5046

Sweetspot

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



13.2210, 15.2813, 38.8123



45.3305, 51.5279, 73.0320



14.3974, 27.8691, 7.6514



9.6637, 11.0863, 16.2827



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.2210, 15.2813, 38.8123



23.4859, 26.9848, 69.4460



7.5310, 3.9014, 36.9156



7.5513, 8.1395, 9.5914



10.1605, 11.7812, 29.7140



0.2892, 0.3706, 0.7369

Inverse Universe

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



19.0892, 9.4771, 17.3466



34.0903, 16.9331, 30.5577



24.4073, 25.1570, 3.5701



7.7429, 7.6270, 8.9631



14.6292, 7.2604, 13.3906



0.3771, 0.1851, 0.4374

Previews

White Background



This preview shows how the XYZ color 13.2204, 15.2808, 38.8119 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 13.2204, 15.2808, 38.8119 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 13.2204, 15.2808, 38.8119

Background



This preview shows how black text looks on a background with the XYZ color 13.2204, 15.2808, 38.8119.



This preview shows how white text looks on a background with the XYZ color 13.2204, 15.2808,

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

13.2204, 15.2808, 38.8119

Protanopia

15.8301, 15.2427, 34.9087

Deuteranopia

15.7720, 15.4216, 39.6815



Tritanopia

10.8666, 15.2865, 23.4969

Trichromacy



Original Color

13.2204, 15.2808, 38.8119

Protanomaly

13.8424, 14.6600, 36.2825

Deuteranomaly

14.1774, 15.0936, 39.2119

Tritanomaly

11.5548, 15.1768, 28.3070

Monochromacy



Original Color

13.2204, 15.2808, 38.8119

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.0956, 10.8085, 18.1299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2204, 15.2808, 38.8119 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, 116, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 167)  
}
```

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, 116, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 167) }
```

Border

The CSS property to change the border of an element to XYZ 13.2204, 15.2808, 38.8119 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, 116, 167) }
```


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

```
.border{ border-color:rgb(0, 116, 167) }
```

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

Here you see how a box with a 4 pixel rgb(0, 116, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 116,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2204, 15.2808, 38.8119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 167) }
```

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

```
.background{ background-color: rgb(0, 116,  
167) }
```

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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