

Converting Colors

XYZ(18.3435, 15.0727, 72.7483)

Have a look what the booklet for
XYZ(18.3435, 15.0727, 72.7483)
contains.

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Color

**XYZ(18.3048, 15.0823,
72.4674)**

Conversions

Conversions Part 1

Format	Color
Hex	0067E0
RGB	0, 103, 224
RGB Percent	0%, 40%, 88%
CMY	0.9998, 0.5961, 0.1216
CMYK	1.00, 0.54, 0.00, 0.12
HSL	212°, 100%, 44%
HSV	212°, 100%, 88%
XYZ	18.3048, 15.0823, 72.4674
YIQ	85.9970, -100.2290, 15.7950

Conversions

Conversions Part 2

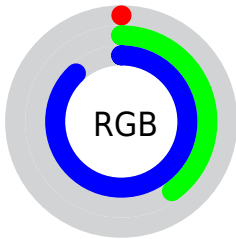
Format	Color
RYB	0, 71, 224
Decimal	26592
CIELab	45.75, 22.59, -68.16
CIELCh	46, 71.806, 288.340
Yxy	15.0823, 0.1729, 0.1425
Android (android.graphics.Color)	4278216672 (0xFF0067E0)
YUV	85.9970, 68.0355, -75.4194
Hunter-Lab	38.8359, 16.1707, -83.4493

Details

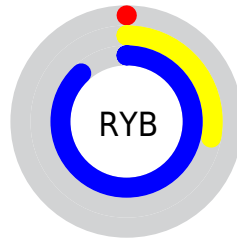
The XYZ color **18.3048, 15.0823, 72.4674** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **37.5856, 29.5367, 3.7219**, and the grayscale version is **8.7242, 9.1786, 9.9955**.

A 20% lighter version of the original color is **35.2669, 33.0057, 99.1197**, and **8.5809, 5.8533, 37.7233** is the 20% darker color. If you saturate the color by 10%, you get **18.3017, 15.0760, 72.4667**, and if you desaturate by 10%, it is **19.9382, 17.8426, 72.9145**.

Distribution



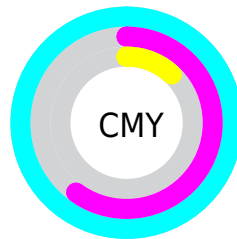
- Red (0%)
- Green (40%)
- Blue (88%)



- Red (0%)
- Yellow (28%)
- Blue (88%)



- Cyan (100%)
- Magenta (54%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (60%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3048, 15.0823, 72.4674 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 18.3048, 15.0823, 72.4674 by changing the saturation by 10% instead.

■ 18.3048, 15.0823,
72.4674

■ 18.3048, 15.0823,
72.4674

235.5960,
223.8638, 488.1880

■ 11.2701, 8.8772,
53.0514

■ 40.0820, 34.9975,
124.4347

■ 6.3174, 4.6611,
37.4558

■ 55.5552, 49.4763,
157.8231

■ 3.0815, 2.0499,
25.2620

■ 74.5720, 67.4819,
196.7061

■ 1.1970, 0.6362,
16.0516

■ 97.4976, 89.3985,
241.5021

■ 0.1040, 0.0000,
9.4059

■ 124.6974,
115.6106, 292.6298

■ 0.0000, 0.0000,
4.9065

156.5369,

■ 0.0000, 0.0000,

146.5026, 350.5076

2.1347

193.3813,
182.4589, 415.5542

■ 0.0000, 0.0000,
0.6363

■ 0.0000, 0.0000,
0.0000

■ 18.3048, 15.0823,
72.4674

■ 18.3048, 15.0823,
72.4674

■ 18.3017, 15.0760,
72.4667

■ 19.9382, 17.8426,
72.9145

■ 22.1466, 21.1686,
73.4401

■ 25.0646, 25.1393,
74.0527

■ 28.7711, 29.8047,
74.7579

■ 33.3332, 35.2084,
75.5605

■ 38.8102, 41.3895,
76.4649

■ 45.2557, 48.3837,
77.4752

■ 52.7189, 56.2243,
78.5952

■ 61.2453, 64.9423,
79.8285

Harmonies

Analogous

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



12.1158, 15.0823, 75.1969



18.3048, 15.0823, 72.4674



24.8684, 15.0823, 49.8931

Triad

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



18.3048, 15.0823, 72.4674



23.5136, 15.0823, 2.0050



5.7100, 15.0823, 10.5800

Complementary

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



18.3048, 15.0823, 72.4674



37.5856, 29.5367, 3.7219

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.



7.2967, 15.0823, 2.7570



18.3048, 15.0823, 72.4674



16.8105, 15.0823, 0.5977

Square

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



18.3048, 15.0823, 72.4674



28.4100, 15.0823, 8.0284



10.9856, 15.0823, 0.7491



5.9015, 15.0823, 29.2538

Rectangle

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



18.3048, 15.0823, 72.4674



28.0487, 15.0823, 31.9940



10.9856, 15.0823, 0.7491



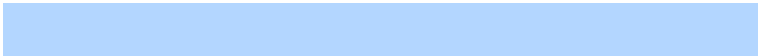
6.0297, 15.0823, 6.9570

Sweetspot

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



18.3056, 15.0827, 72.4678



60.4870, 64.6681, 103.9019



30.0161, 54.6558, 26.5764



12.1288, 12.9621, 22.1126



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.3056, 15.0827, 72.4678



24.4367, 19.9934, 97.1789



13.5494, 5.4317, 70.8557



13.4686, 14.2763, 17.4334



10.7651, 8.9997, 42.2181



0.8350, 0.8014, 2.9559

Inverse Universe

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



33.1894, 16.8279, 14.3307



44.4637, 22.5495, 18.9058



55.1336, 67.9924, 10.2197



13.9680, 13.8048, 15.6016



19.3739, 9.8166, 8.6347



1.3877, 0.6984, 0.8345

Previews

White Background



This preview shows how the XYZ color 18.3048, 15.0823, 72.4674 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 18.3048, 15.0823, 72.4674 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

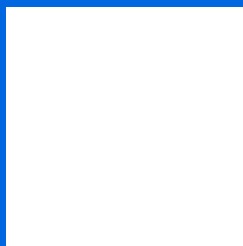
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.3048, 15.0823, 72.4674

Background



This preview shows how black text looks on a background with the XYZ color 18.3048, 15.0823, 72.4674.



This preview shows how white text looks on a background with the XYZ color 18.3048, 15.0823,

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

18.3048, 15.0823, 72.4674

Protanopia

18.0015, 15.1211, 70.3765

Deuteranopia

14.9787, 15.0866, 50.8377



Tritanopia

10.5472, 14.9652, 22.4114

Trichromacy



Original Color

18.3048, 15.0823, 72.4674

Protanomaly

18.1351, 15.1746, 71.0804

Deuteranomaly

16.0232, 14.9894, 57.9258

Tritanomaly

12.5389, 14.6433, 36.3480

Monochromacy



Original Color

18.3048, 15.0823, 72.4674

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.8466, 10.2441, 24.7509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3048, 15.0823, 72.4674 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, 103, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 224)  
}
```

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, 103, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 224) }
```

Border

The CSS property to change the border of an element to XYZ 18.3048, 15.0823, 72.4674 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, 103, 224) }
```


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

```
.border{ border-color:rgb(0, 103, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 103, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 103, 224); box-shadow:4px 4px 4px 4px rgb(0, 103, 224) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3048, 15.0823, 72.4674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 224) }
```

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

```
.background{ background-color: rgb(0, 103,  
224) }
```

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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