

Converting Colors

XYZ(19.1170, 18.2462, 67.9892)

Have a look what the booklet for
XYZ(19.1170, 18.2462, 67.9892)
contains.

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Color

**XYZ(19.1212, 18.2034,
68.1515)**

Conversions

Conversions Part 1

Format	Color
Hex	0077D9
RGB	0, 119, 217
RGB Percent	0%, 47%, 85%
CMY	0.9998, 0.5333, 0.1490
CMYK	1.00, 0.45, 0.00, 0.15
HSL	207°, 100%, 43%
HSV	207°, 100%, 85%
XYZ	19.1212, 18.2034, 68.1515
YIQ	94.5910, -102.3820, 5.2500

Conversions

Conversions Part 2

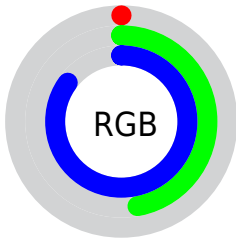
Format	Color
RYB	0, 77, 217
Decimal	30681
CIELab	49.74, 9.60, -57.73
CIELCh	50, 58.526, 279.444
Yxy	18.2034, 0.1813, 0.1726
Android (android.graphics.Color)	4278220761 (0xFF0077D9)
YUV	94.5910, 60.3476, -82.9563
Hunter-Lab	42.6654, 5.3331, -64.8409

Details

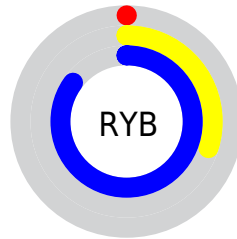
The XYZ color **19.1212, 18.2034, 68.1515** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **32.9883, 23.4969, 2.7982**, and the grayscale version is **10.6618, 11.2171, 12.2154**.

A 20% lighter version of the original color is **38.0924, 39.1706, 100.1607**, and **8.7504, 7.2079, 34.6483** is the 20% darker color. If you saturate the color by 10%, you get **19.1186, 18.1981, 68.1510**, and if you desaturate by 10%, it is **20.6742, 20.8262, 68.5763**.

Distribution



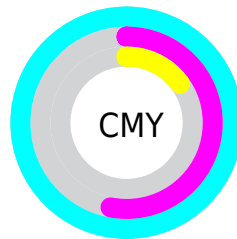
- Red (0%)
- Green (47%)
- Blue (85%)



- Red (0%)
- Yellow (30%)
- Blue (85%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (53%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1212, 18.2034, 68.1515 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 19.1212, 18.2034, 68.1515 by changing the saturation by 10% instead.

■ 19.1212, 18.2034,
68.1515

■ 19.1212, 18.2034,
68.1515

240.0423,
242.0150, 472.6452

■ 11.8624, 11.0961,
49.5535

■ 41.4541, 40.3836,
118.2251

■ 6.7216, 6.1315,
34.6901

■ 57.2589, 56.2253,
150.5378

■ 3.3334, 2.9252,
23.1426

■ 76.6431, 75.7473,
188.2592

■ 1.3324, 1.0928,
14.4926

■ 99.9720, 99.3339,
231.8079

■ 0.2073, 0.0000,
8.3214

■ 127.6111,
127.3696, 281.6022

■ 0.0000, 0.0000,
4.2106

159.9256,

■ 0.0000, 0.0000,

160.2388, 338.0609

1.7416

197.2809,
198.3258, 401.6024

■ 0.0000, 0.0000,
0.3890

■ 0.0000, 0.0000,
0.0000

■ 19.1212, 18.2034,
68.1515

■ 19.1212, 18.2034,
68.1515

■ 19.1186, 18.1981,
68.1510

■ 20.6742, 20.8262,
68.5763

■ 22.7153, 23.8843,
69.0590

■ 25.3684, 27.4467,
69.6068

■ 28.7038, 31.5543,
70.2239

■ 32.7810, 36.2424,
70.9139

■ 37.6526, 41.5426,
71.6801

■ 43.3658, 47.4835,
72.5257

■ 49.9641, 54.0917,
73.4535

■ 57.4877, 61.3919,
74.4660

Harmonies

Analogous

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



13.8041, 18.2034, 64.7062



19.1212, 18.2034, 68.1515



25.0456, 18.2034, 54.2404

Triad

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



19.1212, 18.2034, 68.1515



26.9711, 18.2034, 6.0135



9.0800, 18.2034, 10.8767

Complementary

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



19.1212, 18.2034, 68.1515



32.9883, 23.4969, 2.7982

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.



11.3455, 18.2034, 4.3083



19.1212, 18.2034, 68.1515



21.3454, 18.2034, 2.7315

Square

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



19.1212, 18.2034, 68.1515



30.1777, 18.2034, 15.1972



15.6016, 18.2034, 2.3413



8.7350, 18.2034, 25.2973

Rectangle

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



19.1212, 18.2034, 68.1515



28.2727, 18.2034, 39.8841



15.6016, 18.2034, 2.3413



9.6147, 18.2034, 7.9508

Sweetspot

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



19.1220, 18.2039, 68.1520



62.2348, 68.1638, 104.4845



27.0031, 50.5022, 19.8005



12.5418, 13.7880, 22.2503



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.



19.1220, 18.2039, 68.1520



27.4006, 25.9212, 98.1669



12.6436, 5.2471, 65.9925



12.9274, 13.7946, 16.6334



11.6803, 11.2300, 41.2904



0.8424, 0.8989, 2.7035

Inverse Universe

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



31.9458, 16.0849, 18.8739



45.9597, 23.1479, 26.7839



50.7240, 58.9684, 8.7101



13.3532, 13.1704, 15.1214



19.3910, 9.7574, 11.7050



1.2995, 0.6494, 0.9860

Previews

White Background



This preview shows how the XYZ color 19.1212, 18.2034, 68.1515 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 19.1212, 18.2034, 68.1515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

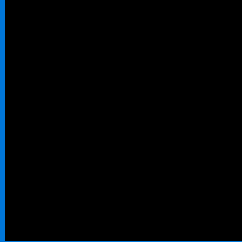
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.1212, 18.2034, 68.1515

Background



This preview shows how black text looks on a background with the XYZ color 19.1212, 18.2034, 68.1515.



This preview shows how white text looks on a background with the XYZ color 19.1212, 18.2034,

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

19.1212, 18.2034, 68.1515

Protanopia

20.5402, 18.3170, 64.7403

Tritanopia

12.8499, 18.1260, 27.6324

Trichromacy



Original Color

19.1212, 18.2034, 68.1515

Protanomaly

19.4652, 17.9037, 66.0482

Tritanomaly

14.6573, 18.0059, 39.7488

Monochromacy



Original Color

19.1212, 18.2034, 68.1515

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.4740, 12.7254, 26.2776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1212, 18.2034, 68.1515 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, 119, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 217)  
}
```

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, 119, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 217) }
```

Border

The CSS property to change the border of an element to XYZ 19.1212, 18.2034, 68.1515 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, 119, 217) }
```

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

```
.border{ border-color:rgb(0, 119, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 119,  
217) }
```


Background

The CSS property to change the background color of an element to XYZ 19.1212, 18.2034, 68.1515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 217) }
```

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

```
.background{ background-color: rgb(0, 119,  
217) }
```

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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