

Converting Colors

XYZ(18.9378, 18.4146, 66.3086)

Have a look what the booklet for
XYZ(18.9378, 18.4146, 66.3086)
contains.

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Color

**XYZ(18.8541, 18.2880,
66.1545)**

Conversions

Conversions Part 1

Format	Color
Hex	0078D6
RGB	0, 120, 214
RGB Percent	0%, 47%, 84%
CMY	0.9998, 0.5294, 0.1608
CMYK	1.00, 0.44, 0.00, 0.16
HSL	206°, 100%, 42%
HSV	206°, 100%, 84%
XYZ	18.8541, 18.2880, 66.1545
YIQ	94.8360, -101.6940, 3.7940

Conversions

Conversions Part 2

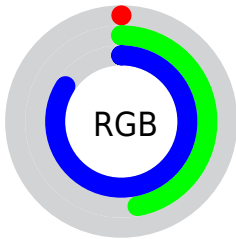
Format	Color
RYB	0, 77, 214
Decimal	30934
CIELab	49.84, 7.79, -55.87
CIElCh	50, 56.411, 277.942
Yxy	18.2880, 0.1825, 0.1770
Android (android.graphics.Color)	4278221014 (0xFF0078D6)
YUV	94.8360, 58.7479, -83.1712
Hunter-Lab	42.7645, 3.8597, -61.7835

Details

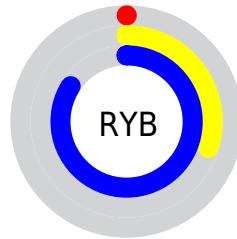
The XYZ color **18.8541, 18.2880, 66.1545** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **31.7396, 22.3114, 2.6352**, and the grayscale version is **10.7237, 11.2822, 12.2863**.

A 20% lighter version of the original color is **38.1694, 39.4917, 100.2187**, and **8.6406, 7.2683, 33.7484** is the 20% darker color. If you saturate the color by 10%, you get **18.8514, 18.2824, 66.1540**, and if you desaturate by 10%, it is **20.3601, 20.8264, 66.5655**.

Distribution



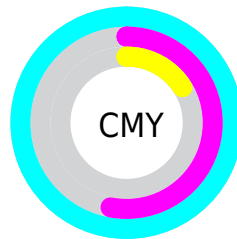
- Red (0%)
- Green (47%)
- Blue (84%)



- Red (0%)
- Yellow (30%)
- Blue (84%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (53%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8541, 18.2880, 66.1545 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 18.8541, 18.2880, 66.1545 by changing the saturation by 10% instead.

■ 18.8541, 18.2880,
66.1545

■ 18.8541, 18.2880,
66.1545

238.5957,
242.4894, 465.3485

■ 11.6683, 11.1570,
47.9406

■ 41.0062, 40.5275,
115.3372

■ 6.5888, 6.1725,
33.4202

■ 56.7032, 56.4047,
147.1430

■ 3.2503, 2.9503,
22.1748

■ 75.9679, 75.9660,
184.3165

■ 1.2875, 1.1058,
13.7858

■ 99.1658, 99.5960,
227.2762

■ 0.1738, 0.0000,
7.8348

■ 126.6622,
127.6789, 276.4408

■ 0.0000, 0.0000,
3.9032

158.8224,

■ 0.0000, 0.0000,

160.5992, 332.2287

1.5724

196.0118,
198.7412, 395.0584

■ 0.0000, 0.0000,
0.2710

■ 0.0000, 0.0000,
0.0000

■ 18.8541, 18.2880,
66.1545

■ 18.8541, 18.2880,
66.1545

■ 18.8514, 18.2824,
66.1540

■ 20.3601, 20.8264,
66.5655

■ 22.3323, 23.7745,
67.0306

■ 24.8911, 27.1987,
67.5567

■ 28.1042, 31.1381,
68.1477

■ 32.0287, 35.6263,
68.8072

■ 36.7151, 40.6932,
69.5382

■ 42.2091, 46.3662,
70.3436

■ 48.5522, 52.6704,
71.2261

■ 55.7831, 59.6293,
72.1882

Harmonies

Analogous

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



13.7731, 18.2880, 62.0394



18.8541, 18.2880, 66.1545



24.5659, 18.2880, 53.6946

Triad

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



18.8541, 18.2880, 66.1545



26.9045, 18.2880, 6.6692



9.4369, 18.2880, 10.7158

Complementary

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



18.8541, 18.2880, 66.1545



31.7396, 22.3114, 2.6352

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.



11.7563, 18.2880, 4.4781



18.8541, 18.2880, 66.1545



21.5724, 18.2880, 3.1261

Square

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



18.8541, 18.2880, 66.1545



29.8011, 18.2880, 16.0860



15.9890, 18.2880, 2.6082



9.0050, 18.2880, 24.3023

Rectangle

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



18.8541, 18.2880, 66.1545



27.7295, 18.2880, 40.1889



15.9890, 18.2880, 2.6082



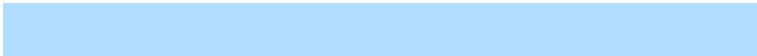
9.9945, 18.2880, 7.9471

Sweetspot

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



18.8549, 18.2885, 66.1550



62.4843, 68.6627, 104.5677



26.0128, 48.8799, 18.3650



12.6009, 13.9064, 22.2700



0.0000, 0.0000, 0.0000



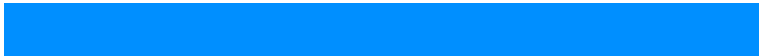
20.3446, 21.4041, 23.3091

Same Dimension

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



18.8549, 18.2885, 66.1550



27.8669, 26.8537, 98.3223



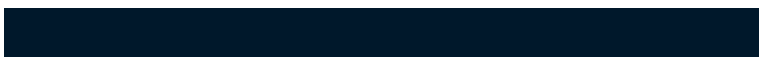
12.2997, 5.1781, 63.9699



12.3143, 13.1521, 15.8271



11.4997, 11.2611, 40.0207



0.7754, 0.8429, 2.4411

Inverse Universe

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



31.1225, 15.6535, 19.1506



46.1951, 23.2420, 28.0232



48.3256, 55.4834, 8.1639



12.7119, 12.5362, 14.4229



18.8634, 9.4817, 11.8504



1.1790, 0.5884, 0.9322

Previews

White Background



This preview shows how the XYZ color 18.8541, 18.2880, 66.1545 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 18.8541, 18.2880, 66.1545 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 18.8541, 18.2880, 66.1545

Background



This preview shows how black text looks on a background with the XYZ color 18.8541, 18.2880, 66.1545.



This preview shows how white text looks on a background with the XYZ color 18.8541, 18.2880,

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

18.8541, 18.2880, 66.1545

Protanopia

20.4634, 18.3208, 62.7793

Deuteranopia

18.7267, 18.2370, 65.4839



Tritanopia

12.8499, 18.1260, 27.6324

Trichromacy



Original Color

18.8541, 18.2880, 66.1545

Protanomaly

19.2915, 18.0301, 64.0914

Deuteranomaly

18.7267, 18.2370, 65.4839

Tritanomaly

14.5644, 17.9688, 39.2599

Monochromacy



Original Color

18.8541, 18.2880, 66.1545

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.4012, 12.6963, 25.8945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8541, 18.2880, 66.1545 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, 120, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 214)  
}
```

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, 120, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 214) }
```

Border

The CSS property to change the border of an element to XYZ 18.8541, 18.2880, 66.1545 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, 120, 214) }
```


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

```
.border{ border-color:rgb(0, 120, 214) }
```

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

Here you see how a box with a 4 pixel rgb(0, 120, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8541, 18.2880, 66.1545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 214) }
```

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

```
.background{ background-color: rgb(0, 120,  
214) }
```

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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