

Converting Colors

XYZ(16.8345, 17.9523, 60.5026)

Have a look what the booklet for
XYZ(16.8345, 17.9523, 60.5026)
contains.

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Color

**XYZ(18.1024, 18.5737,
60.3886)**

Conversions

Conversions Part 1

Format	Color
Hex	007BCD
RGB	0, 123, 205
RGB Percent	0%, 48%, 80%
CMY	0.9998, 0.5176, 0.1961
CMYK	1.00, 0.40, 0.00, 0.20
HSL	204°, 100%, 40%
HSV	204°, 100%, 80%
XYZ	18.1024, 18.5737, 60.3886
YIQ	95.5710, -99.6300, -0.5740

Conversions

Conversions Part 2

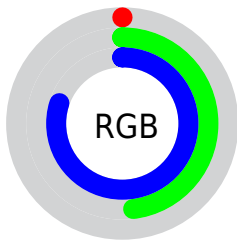
Format	Color
RYB	0, 77, 205
Decimal	31693
CIELab	50.18, 2.40, -50.21
CIELCh	50, 50.267, 272.733
Yxy	18.5737, 0.1865, 0.1914
Android (android.graphics.Color)	4278221773 (0xFF007BCD)
YUV	95.5710, 53.9485, -83.8158
Hunter-Lab	43.0972, -0.4436, -52.9102

Details

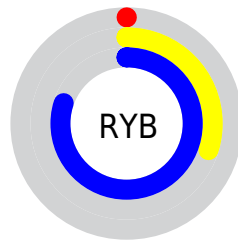
The XYZ color **18.1024, 18.5737, 60.3886** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **28.1980, 19.0208, 2.1865**, and the grayscale version is **10.9093, 11.4774, 12.4989**.

A 20% lighter version of the original color is **38.5256, 40.5326, 100.4008**, and **8.0211, 7.2342, 29.8277** is the 20% darker color. If you saturate the color by 10%, you get **18.1003, 18.5694, 60.3883**, and if you desaturate by 10%, it is **19.4628, 20.8494, 60.7566**.

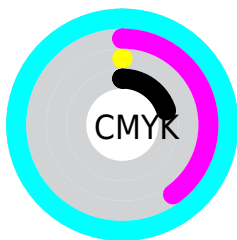
Distribution



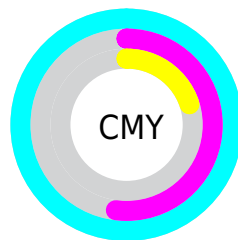
- Red (0%)
- Green (48%)
- Blue (80%)



- Red (0%)
- Yellow (30%)
- Blue (80%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (52%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1024, 18.5737, 60.3886 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 18.1024, 18.5737, 60.3886 by changing the saturation by 10% instead.

■ 18.1024, 18.5737,
60.3886

■ 18.1024, 18.5737,
60.3886

234.4820,
244.0851, 443.8730

■ 11.1237, 11.3627,
43.3046

■ 39.7405, 41.0125,
106.9421

■ 6.2180, 6.3113,
29.7910

■ 55.1305, 57.0090,
137.2486

■ 3.0200, 3.0353,
19.4293

■ 74.0550, 76.7029,
172.7997

■ 1.1643, 1.1502,
11.8009

■ 96.8793, 100.4784,
214.0139

■ 0.0779, 0.0204,
6.4874

■ 123.9688,
128.7200, 261.3099

■ 0.0000, 0.0000,
3.0701

155.6889,

■ 0.0000, 0.0000,

161.8120, 315.1060

1.1305

192.4048,
200.1389, 375.8208

■ 0.0000, 0.0000,
0.0000

■ 18.1024, 18.5737,
60.3886

■ 18.1024, 18.5737,
60.3886

■ 18.1003, 18.5694,
60.3883

■ 19.4628, 20.8494,
60.7566

■ 21.2271, 23.4628,
61.1680

■ 23.5060, 26.4739,
61.6291

■ 26.3595, 29.9163,
62.1432

■ 29.8384, 33.8191,
62.7131

■ 33.9874, 38.2079,
63.3416

■ 38.8469, 43.1061,
64.0309

■ 44.4539, 48.5352,
64.7833

■ 50.8426, 54.5153,
65.6009

Harmonies

Analogous

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



13.7142, 18.5737, 54.4960



18.1024, 18.5737, 60.3886



23.1958, 18.5737, 52.0657

Triad

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



18.1024, 18.5737, 60.3886



26.7249, 18.5737, 8.9412



10.5901, 18.5737, 10.2841

Complementary

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



18.1024, 18.5737, 60.3886



28.1980, 19.0208, 2.1865

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.



13.0732, 18.5737, 5.0434



18.1024, 18.5737, 60.3886



22.2836, 18.5737, 4.5552

Square

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



18.1024, 18.5737, 60.3886



28.7120, 18.5737, 18.9760



17.2126, 18.5737, 3.5514



9.8767, 18.5737, 21.5247

Rectangle

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



18.1024, 18.5737, 60.3886



26.1704, 18.5737, 41.1080



17.2126, 18.5737, 3.5514



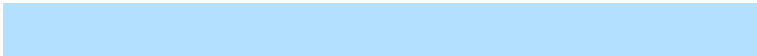
11.2199, 18.5737, 7.9730

Sweetspot

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



18.1032, 18.5743, 60.3891



63.2865, 70.2672, 104.8351



23.3561, 44.2729, 15.3027



12.7916, 14.2877, 22.3336



0.0000, 0.0000, 0.0000



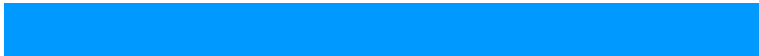
20.3446, 21.4041, 23.3091

Same Dimension

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



18.1032, 18.5743, 60.3891



29.4376, 29.9952, 98.8459



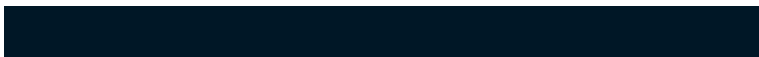
11.2799, 4.9277, 58.1147



11.1521, 11.9446, 14.2881



11.3632, 11.7505, 37.6254



0.6592, 0.7522, 1.9654

Inverse Universe

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



28.7527, 14.4103, 20.0052



46.9879, 23.5592, 32.1982



42.4229, 47.4706, 6.9281



11.4901, 11.3248, 13.1156



17.9465, 8.9892, 12.7031



0.9627, 0.4785, 0.8494

Previews

White Background



This preview shows how the XYZ color 18.1024, 18.5737, 60.3886 looks on a white 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

Black Background



This preview shows how the XYZ color 18.1024, 18.5737, 60.3886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

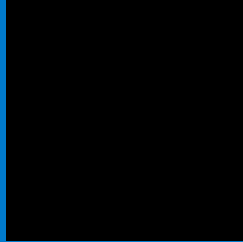
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.1024, 18.5737, 60.3886

Background



This preview shows how black text looks on a background with the XYZ color 18.1024, 18.5737, 60.3886.



This preview shows how white text looks on a background with the XYZ color 18.1024, 18.5737,

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

18.1024, 18.5737, 60.3886

Protanopia

20.3005, 18.5456, 56.5425

Deuteranopia

19.2223, 18.5930, 60.9682



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

18.1024, 18.5737, 60.3886

Protanomaly

18.6608, 18.1950, 57.7868

Deuteranomaly

18.5736, 18.4381, 60.9725

Tritanomaly

14.5511, 18.3808, 37.9029

Monochromacy



Original Color

18.1024, 18.5737, 60.3886

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.5224, 13.0777, 25.2095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1024, 18.5737, 60.3886 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, 123, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 205)  
}
```

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, 123, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 205) }
```

Border

The CSS property to change the border of an element to XYZ 18.1024, 18.5737, 60.3886 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, 123, 205) }
```


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

```
.border{ border-color:rgb(0, 123, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 123, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1024, 18.5737, 60.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 205) }
```

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

```
.background{ background-color: rgb(0, 123,  
205) }
```

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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