

Converting Colors

XYZ(21.8781, 26.3176, 61.0535)

Have a look what the booklet for
XYZ(21.8781, 26.3176, 61.0535)
contains.

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Color

**XYZ(21.8054, 26.1723,
61.0292)**

Conversions

Conversions Part 1

Format	Color
Hex	0096CC
RGB	0, 150, 204
RGB Percent	0%, 59%, 80%
CMY	0.9998, 0.4118, 0.2000
CMYK	1.00, 0.26, 0.00, 0.20
HSL	196°, 100%, 40%
HSV	196°, 100%, 80%
XYZ	21.8054, 26.1723, 61.0292
YIQ	111.3060, -106.7340, -15.0060

Conversions

Conversions Part 2

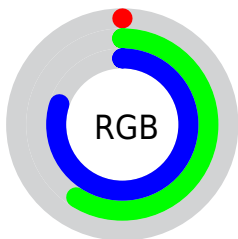
Format	Color
R_{YB}	0, 86, 204
Decimal	38604
CIE _{Lab}	58.20, -13.74, -36.97
CIE _{LCh}	58, 39.440, 249.610
Yxy	26.1723, 0.2000, 0.2401
Android (android.graphics.Color)	4278228684 (0xFF0096CC)
YUV	111.3060, 45.6981, -97.6154
Hunter-Lab	51.1589, -13.4461, -34.9179

Details

The XYZ color **21.8054, 26.1723, 61.0292** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **26.2235, 15.4800, 1.6071**, and the grayscale version is **15.0960, 15.8822, 17.2957**.

A 20% lighter version of the original color is **44.8984, 53.1151, 102.4936**, and **9.9669, 11.1257, 30.4763** is the 20% darker color. If you saturate the color by 10%, you get **21.8039, 26.1691, 61.0292**, and if you desaturate by 10%, it is **22.9853, 28.0901, 61.3377**.

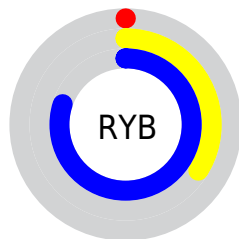
Distribution



Red (0%)

Green (59%)

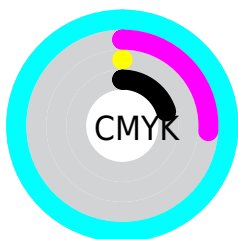
Blue (80%)



Red (0%)

Yellow (34%)

Blue (80%)

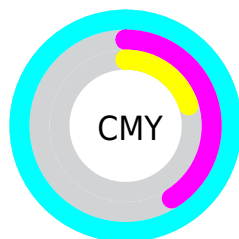


Cyan (100%)

Magenta (26%)

Yellow (0%)

Black (20%)



Cyan (100%)

Magenta (41%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8054, 26.1723, 61.0292 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 21.8054, 26.1723, 61.0292 by changing the saturation by 10% instead.

■ 21.8054, 26.1723,
61.0292

■ 21.8054, 26.1723,
61.0292

254.1798,
283.6269, 446.2906

■ 13.8298, 16.9526,
43.8180

■ 45.9054, 53.5528,
107.8792

■ 8.0833, 10.2007,
30.1913

■ 62.7605, 72.4823,
138.3550

■ 4.2005, 5.5322,
19.7306

■ 83.3061, 95.4173,
174.0895

■ 1.8162, 2.5628,
12.0172

■ 107.9077,
122.7420, 215.5012

■ 0.5274, 0.9080,
6.6327

■ 136.9305,
154.8410, 263.0086

■ 0.0000, 0.0000,
3.1585

170.7398,

■ 0.0000, 0.0000,

192.0985, 317.0303

1.1762

209.7012,
234.8990, 377.9848

■ 0.0000, 0.0000,
0.0000

■ 21.8054, 26.1723,
61.0292

■ 21.8054, 26.1723,
61.0292

■ 21.8039, 26.1691,
61.0292

■ 22.9853, 28.0901,
61.3377

■ 24.5181, 30.2491,
61.6737

■ 26.5123, 32.7066,
62.0429

■ 29.0257, 35.4930,
62.4483

■ 32.1074, 38.6342,
62.8922

■ 35.8001, 42.1532,
63.3768

■ 40.1426, 46.0706,
63.9040

■ 45.1703, 50.4052,
64.4757

■ 50.9157, 55.1746,
65.0935

Harmonies

Analogous

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



18.4383, 26.1723, 48.8203



21.8054, 26.1723, 61.0292



26.4442, 26.1723, 63.1833

Triad

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



21.8054, 26.1723, 61.0292



35.0977, 26.1723, 24.3198



19.4578, 26.1723, 12.6329

Complementary

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



21.8054, 26.1723, 61.0292



26.2235, 15.4800, 1.6071

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.



23.3710, 26.1723, 9.6093



21.8054, 26.1723, 61.0292



32.6608, 26.1723, 14.7798

Square

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



21.8054, 26.1723, 61.0292



34.5378, 26.1723, 38.7017



28.2221, 26.1723, 10.2436



17.2084, 26.1723, 20.2654

Rectangle

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



21.8054, 26.1723, 61.0292



29.7058, 26.1723, 58.1024



28.2221, 26.1723, 10.2436



20.6003, 26.1723, 11.1757

Sweetspot

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



21.8063, 26.1732, 61.0299



66.1607, 76.0155, 105.7932



22.1919, 43.4257, 10.3483



13.4789, 15.6622, 22.5626



0.0000, 0.0000, 0.0000



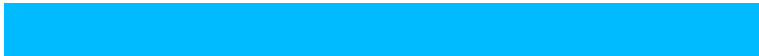
20.3446, 21.4041, 23.3091

Same Dimension

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



21.8063, 26.1732, 61.0299



35.9237, 42.9674, 101.0079



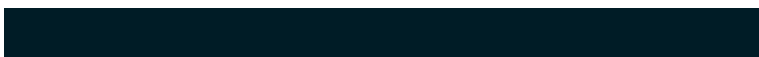
12.0850, 6.7306, 57.7894



11.2822, 12.2049, 14.3315



13.8031, 16.6302, 38.4387



0.7721, 0.9779, 2.0030

Inverse Universe

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



30.4077, 15.0405, 30.1553



50.2618, 24.8687, 49.4383



36.2955, 35.6239, 4.9644



11.5558, 11.3511, 13.4615



19.1781, 9.4818, 19.1883



1.0197, 0.5013, 1.1494

Previews

White Background



This preview shows how the XYZ color 21.8054, 26.1723, 61.0292 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 21.8054, 26.1723, 61.0292 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

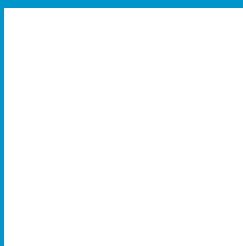
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8054, 26.1723, 61.0292

Background



This preview shows how black text looks on a background with the XYZ color 21.8054, 26.1723, 61.0292.

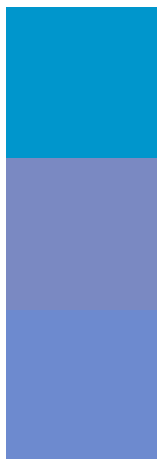


This preview shows how white text looks on a background with the XYZ color 21.8054, 26.1723,

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

21.8054, 26.1723, 61.0292

Protanopia

26.7093, 25.9239, 54.6350

Deuteranopia

26.6576, 25.9332, 62.6321



Tritanopia

18.6043, 26.1959, 40.1522

Trichromacy



Original Color

21.8054, 26.1723, 61.0292



Protanomaly

23.0079, 25.0429, 57.0472



Deuteranomaly

23.2678, 25.0674, 62.0047



Tritanomaly

19.6295, 26.0778, 47.1789

Monochromacy



Original Color

21.8054, 26.1723, 61.0292



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

15.0430, 18.0512, 29.4794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8054, 26.1723, 61.0292 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, 150, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 204)  
}
```

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, 150, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 204) }
```

Border

The CSS property to change the border of an element to XYZ 21.8054, 26.1723, 61.0292 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, 150, 204) }
```


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

```
.border{ border-color:rgb(0, 150, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8054, 26.1723, 61.0292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 204) }
```

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

```
.background{ background-color: rgb(0, 150,  
204) }
```

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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