

Converting Colors

XYZ(14.6524, 18.6386, 64.6426)

Have a look what the booklet for
XYZ(14.6524, 18.6386, 64.6426)
contains.

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Color

**XYZ(20.1454, 21.4782,
64.7119)**

Conversions

Conversions Part 1

Format	Color
Hex	0085D3
RGB	0, 133, 211
RGB Percent	0%, 52%, 83%
CMY	0.9998, 0.4784, 0.1725
CMYK	1.00, 0.37, 0.00, 0.17
HSL	202°, 100%, 41%
HSV	202°, 100%, 83%
XYZ	20.1454, 21.4782, 64.7119
YIQ	102.1250, -104.3060, -3.9380

Conversions

Conversions Part 2

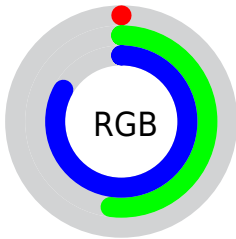
Format	Color
R _Y B	0, 82, 211
Decimal	34259
CIE Lab	53.47, -1.32, -48.38
CIE LCh	53, 48.397, 268.436
Yxy	21.4782, 0.1895, 0.2020
Android (android.graphics.Color)	4278224339 (0xFF0085D3)
YUV	102.1250, 53.6754, -89.5636
Hunter-Lab	46.3446, -3.5113, -50.3467

Details

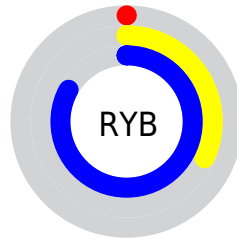
The XYZ color **20.1454, 21.4782, 64.7119** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **29.5924, 19.3050, 2.1680**, and the grayscale version is **12.5498, 13.2034, 14.3785**.

A 20% lighter version of the original color is **40.9757, 45.1045, 101.1541**, and **9.1711, 8.7409, 32.6563** is the 20% darker color. If you saturate the color by 10%, you get **20.1431, 21.4734, 64.7116**, and if you desaturate by 10%, it is **21.5663, 23.8559, 65.0964**.

Distribution



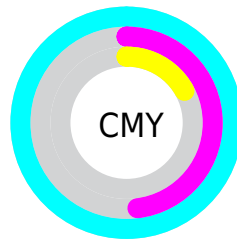
- Red (0%)
- Green (52%)
- Blue (83%)



- Red (0%)
- Yellow (32%)
- Blue (83%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (48%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1454, 21.4782, 64.7119 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 20.1454, 21.4782, 64.7119 by changing the saturation by 10% instead.

■ 20.1454, 21.4782,
64.7119

■ 20.1454, 21.4782,
64.7119

245.5198,
259.8091, 460.0338

■ 12.6097, 13.4740,
46.7776

■ 43.1629, 45.8820,
113.2449

■ 7.2354, 7.7557,
32.5068

■ 59.3754, 63.0505,
144.6807

■ 3.6574, 3.9391,
21.4809

■ 79.2108, 84.0424,
181.4540

■ 1.5102, 1.6395,
13.2813

■ 103.0346,
109.2423, 223.9836

■ 0.3328, 0.3840,
7.4895

■ 131.2120,
139.0345, 272.6878

■ 0.0000, 0.0000,
3.6870

164.1084,

■ 0.0000, 0.0000,

173.8035, 327.9852

1.4553

202.0892,
213.9335, 390.2943

■ 0.0000, 0.0000,
0.1843

■ 0.0000, 0.0000,
0.0000

■ 20.1454, 21.4782,
64.7119

■ 20.1454, 21.4782,
64.7119

■ 20.1431, 21.4734,
64.7116

■ 21.5663, 23.8559,
65.0964

■ 23.4081, 26.5708,
65.5234

■ 25.7872, 29.6852,
65.9991

■ 28.7674, 33.2345,
66.5271

■ 32.4031, 37.2489,
67.1104

■ 36.7418, 41.7552,
67.7515

■ 41.8266, 46.7776,
68.4529

■ 47.6966, 52.3386,
69.2169

■ 54.3884, 58.4588,
70.0456

Harmonies

Analogous

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



15.6590, 21.4782, 56.8115



20.1454, 21.4782, 64.7119



25.4999, 21.4782, 58.2213

Triad

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



20.1454, 21.4782, 64.7119



30.4144, 21.4782, 12.3178



13.0884, 21.4782, 11.4642

Complementary

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



20.1454, 21.4782, 64.7119



29.5924, 19.3050, 2.1680

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.



16.0544, 21.4782, 6.2660



20.1454, 21.4782, 64.7119



26.0466, 21.4782, 6.5932

Square

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



20.1454, 21.4782, 64.7119



31.9941, 21.4782, 24.1684



20.6858, 21.4782, 4.9531



12.0321, 21.4782, 22.6209

Rectangle

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



20.1454, 21.4782, 64.7119



28.7524, 21.4782, 47.6871



20.6858, 21.4782, 4.9531



13.8677, 21.4782, 9.1695

Sweetspot

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



20.1463, 21.4789, 64.7125



63.9159, 71.5260, 105.0449



24.6488, 47.1307, 14.8933



12.9415, 14.5875, 22.3835



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.



20.1463, 21.4789, 64.7125



30.7447, 32.6094, 99.2816



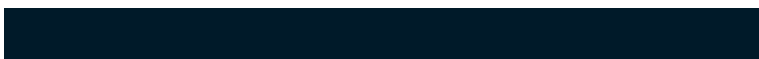
12.1781, 5.5425, 62.0564



11.7756, 12.6416, 15.0631



12.2572, 13.1609, 39.0868



0.7598, 0.8849, 2.2103

Inverse Universe

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



31.0984, 15.5436, 23.5518



47.6477, 23.8231, 35.6725



43.7719, 47.6641, 6.8945



12.1177, 11.9318, 13.8954



18.8176, 9.3999, 14.4774



1.0898, 0.5406, 1.0075

Previews

White Background



This preview shows how the XYZ color 20.1454, 21.4782, 64.7119 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 20.1454, 21.4782, 64.7119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

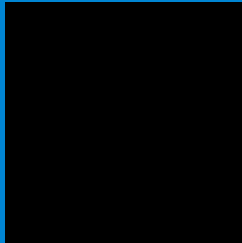
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.1454, 21.4782, 64.7119

Background



This preview shows how black text looks on a background with the XYZ color 20.1454, 21.4782, 64.7119.

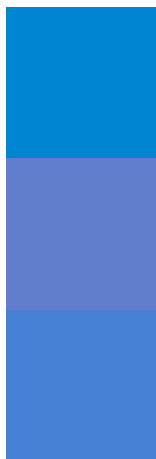


This preview shows how white text looks on a background with the XYZ color 20.1454, 21.4782,

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

20.1454, 21.4782, 64.7119

Protanopia

23.0429, 21.5204, 59.4393

Deuteranopia

22.1286, 21.4939, 65.2698



Tritanopia

15.1108, 21.2841, 32.5900

Trichromacy



Original Color

20.1454, 21.4782, 64.7119

Protanomaly

20.8464, 20.9187, 61.3315

Deuteranomaly

20.9485, 21.2766, 65.2900

Tritanomaly

16.6313, 21.1941, 42.7495

Monochromacy



Original Color

20.1454, 21.4782, 64.7119

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.9676, 14.8871, 27.7812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1454, 21.4782, 64.7119 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, 133, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 211)  
}
```

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, 133, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 211) }
```

Border

The CSS property to change the border of an element to XYZ 20.1454, 21.4782, 64.7119 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, 133, 211) }
```


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

```
.border{ border-color:rgb(0, 133, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1454, 21.4782, 64.7119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 211) }
```

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

```
.background{ background-color: rgb(0, 133,  
211) }
```

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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