

Converting Colors

XYZ(16.0459, 20.3652, 85.1642)

Have a look what the booklet for
XYZ(16.0459, 20.3652, 85.1642)
contains.

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Color

**XYZ(25.1063, 25.0474,
85.9495)**

Conversions

Conversions Part 1

Format	Color
Hex	008CF0
RGB	0, 140, 240
RGB Percent	0%, 55%, 94%
CMY	0.9997, 0.4510, 0.0588
CMYK	1.00, 0.42, 0.00, 0.06
HSL	205°, 100%, 47%
HSV	205°, 100%, 94%
XYZ	25.1063, 25.0474, 85.9495
YIQ	109.5400, -115.5400, 1.4200

Conversions

Conversions Part 2

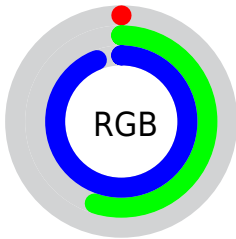
Format	Color
R_{YB}	0, 88, 240
Decimal	36080
CIE _{Lab}	57.12, 5.63, -58.77
CIE _{LCh}	57, 59.036, 275.476
Yxy	25.0474, 0.1845, 0.1840
Android (android.graphics.Color)	4278226160 (0xFF008CF0)
YUV	109.5400, 64.3168, -96.0666
Hunter-Lab	50.0474, 1.9617, -66.7893

Details

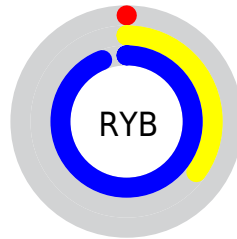
The XYZ color **25.1063, 25.0474, 85.9495** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark saturated azure. A complement of this color would be **40.5000, 27.6538, 3.2052**, and the grayscale version is **14.5419, 15.2992, 16.6608**.

A 20% lighter version of the original color is **43.3043, 48.5481, 101.6961**, and **12.2883, 10.9011, 46.2562** is the 20% darker color. If you saturate the color by 10%, you get **25.1021, 25.0389, 85.9487**, and if you desaturate by 10%, it is **27.0136, 28.3003, 86.4774**.

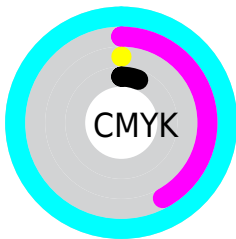
Distribution



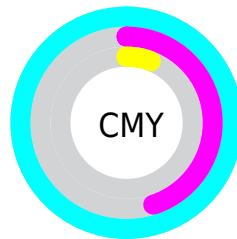
- Red (0%)
- Green (55%)
- Blue (94%)



- Red (0%)
- Yellow (35%)
- Blue (94%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (45%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1063, 25.0474, 85.9495 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 25.1063, 25.0474, 85.9495 by changing the saturation by 10% instead.

■ 25.1063, 25.0474,
85.9495

■ 25.1063, 25.0474,
85.9495

270.7048,
278.0739, 534.9910

■ 16.2854, 16.1124,
64.0716

■ 51.2713, 51.7341,
143.5849

■ 9.8185, 9.6037,
46.2621

■ 69.3461, 70.2546,
180.1795

■ 5.3401, 5.1370,
32.1025

■ 91.2362, 92.7390,
222.5167

■ 2.4850, 2.3279,
21.1744

■ 117.3071,
119.5717, 271.0151

■ 0.8877, 0.7884,
13.0590

■ 147.9240,
151.1372, 326.0931

■ 0.0000, 0.0000,
7.3380

183.4524,

■ 0.0000, 0.0000,

187.8198, 388.1695

3.5927

224.2575,
230.0039, 457.6626

■ 0.0000, 0.0000,
1.4047

■ 0.0000, 0.0000,
0.1454

■ 25.1063, 25.0474,
85.9495

■ 25.1063, 25.0474,
85.9495

■ 25.1021, 25.0389,
85.9487

■ 27.0136, 28.3003,
86.4774

■ 29.5226, 32.0654,
87.0719

■ 32.7827, 36.4249,
87.7416

■ 36.8836, 41.4297,
88.4915

■ 41.9010, 47.1233,
89.3260

■ 47.9012, 53.5444,
90.2491

■ 54.9442, 60.7281,
91.2645

■ 63.0847, 68.7067,
92.3755

■ 72.3733, 77.5105,
93.5852

Harmonies

Analogous

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



18.6746, 25.0474, 79.0869



25.1063, 25.0474, 85.9495



32.4452, 25.0474, 71.8829

Triad

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



25.1063, 25.0474, 85.9495



36.4473, 25.0474, 10.5327



13.5922, 25.0474, 14.2604

Complementary

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



25.1063, 25.0474, 85.9495



40.5000, 27.6538, 3.2052

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.



16.8564, 25.0474, 6.4577



25.1063, 25.0474, 85.9495



29.8025, 25.0474, 5.1570

Square

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



25.1063, 25.0474, 85.9495



39.7606, 25.0474, 23.7774



22.5529, 25.0474, 4.1497



12.8188, 25.0474, 31.0941

Rectangle

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



25.1063, 25.0474, 85.9495



36.6168, 25.0474, 55.2587



22.5529, 25.0474, 4.1497



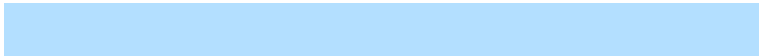
14.3985, 25.0474, 10.8115

Sweetspot

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



25.1074, 25.0481, 85.9502



62.9436, 69.5813, 104.7208



33.4635, 63.2420, 22.5106



12.7100, 14.1245, 22.3064



0.0000, 0.0000, 0.0000



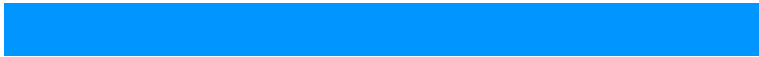
20.3446, 21.4041, 23.3091

Same Dimension

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



25.1074, 25.0481, 85.9502



28.7529, 28.6258, 98.6176



15.9805, 6.7944, 82.9079



15.6632, 16.7605, 20.1312



13.8756, 13.9754, 47.0941



1.2523, 1.3586, 3.9505

Inverse Universe

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



40.6699, 20.4204, 26.6092



46.6423, 23.4209, 30.3783



61.5308, 69.7155, 10.2155



16.1594, 15.9135, 18.3958



22.3294, 11.2042, 14.9169



1.9071, 0.9519, 1.5014

Previews

White Background



This preview shows how the XYZ color 25.1063, 25.0474, 85.9495 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 25.1063, 25.0474, 85.9495 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

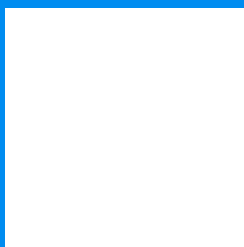
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1063, 25.0474, 85.9495

Background



This preview shows how black text looks on a background with the XYZ color 25.1063, 25.0474, 85.9495.



This preview shows how white text looks on a background with the XYZ color 25.1063, 25.0474,

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

25.1063, 25.0474, 85.9495

Protanopia

27.6097, 24.9854, 80.4583

Deuteranopia

25.8988, 25.0261, 85.9036



Tritanopia

17.7498, 25.0651, 38.0850

Trichromacy



Original Color

25.1063, 25.0474, 85.9495

Protanomaly

25.7481, 24.5943, 82.7470

Deuteranomaly

25.4675, 25.0177, 85.9247

Tritanomaly

19.8842, 24.8975, 52.4729

Monochromacy



Original Color

25.1063, 25.0474, 85.9495

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.4490, 17.4112, 34.4447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1063, 25.0474, 85.9495 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, 140, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 240)  
}
```

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, 140, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 240) }
```

Border

The CSS property to change the border of an element to XYZ 25.1063, 25.0474, 85.9495 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, 140, 240) }
```


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

```
.border{ border-color:rgb(0, 140, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1063, 25.0474, 85.9495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 240) }
```

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

```
.background{ background-color: rgb(0, 140,  
240) }
```

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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