

Converting Colors

XYZ(16.2230, 21.0462, 84.2141)

Have a look what the booklet for
XYZ(16.2230, 21.0462, 84.2141)
contains.

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Color

**XYZ(25.1056, 25.5190,
84.4914)**

Conversions

Conversions Part 1

Format	Color
Hex	008EEE
RGB	0, 142, 238
RGB Percent	0%, 56%, 93%
CMY	0.9997, 0.4431, 0.0667
CMYK	1.00, 0.40, 0.00, 0.07
HSL	204°, 100%, 47%
HSV	204°, 100%, 93%
XYZ	25.1056, 25.5190, 84.4914
YIQ	110.4860, -115.4480, -0.2480

Conversions

Conversions Part 2

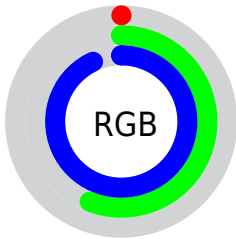
Format	Color
R _Y B	0, 89, 238
Decimal	36590
CIE Lab	57.58, 3.66, -56.93
CIE LCh	58, 57.047, 273.683
Yxy	25.5190, 0.1858, 0.1889
Android (android.graphics.Color)	4278226670 (0xFF008EEE)
YUV	110.4860, 62.8644, -96.8962
Hunter-Lab	50.5163, 0.3073, -63.8044

Details

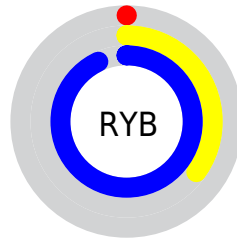
The XYZ color **25.1056, 25.5190, 84.4914** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **39.4494, 26.5551, 3.0483**, and the grayscale version is **14.8151, 15.5867, 16.9739**.

A 20% lighter version of the original color is **43.7494, 49.4384, 101.8445**, and **12.2548, 11.1649, 45.2252** is the 20% darker color. If you saturate the color by 10%, you get **25.1019, 25.5115, 84.4907**, and if you desaturate by 10%, it is **26.9702, 28.6936, 85.0065**.

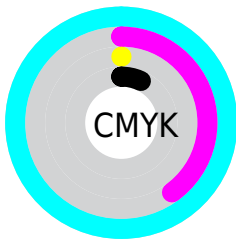
Distribution



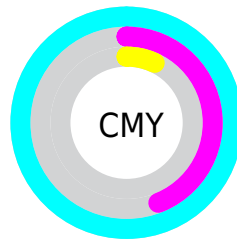
- Red (0%)
- Green (56%)
- Blue (93%)



- Red (0%)
- Yellow (35%)
- Blue (93%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (44%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1056, 25.5190, 84.4914 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 25.1056, 25.5190, 84.4914 by changing the saturation by 10% instead.

■ 25.1056, 25.5190,
84.4914

■ 25.1056, 25.5190,
84.4914

270.7014,
280.4128, 530.0443

■ 16.2849, 16.4641,
62.8735

■ 51.2701, 52.4979,
141.5302

■ 9.8181, 9.8532,
45.2985

■ 69.3447, 71.1908,
177.7882

■ 5.3399, 5.3017,
31.3480

■ 91.2346, 93.8652,
219.7633

■ 2.4848, 2.4254,
20.6033

■ 117.3052,
120.9054, 267.8740

■ 0.8876, 0.8389,
12.6459

■ 147.9218,
152.6959, 322.5390

■ 0.0000, 0.0000,
7.0573

183.4498,

■ 0.0000, 0.0000,

189.6210, 384.1766

3.4190

224.2545,
232.0652, 453.2055

■ 0.0000, 0.0000,
1.3124

■ 0.0000, 0.0000,
0.0719

■ 25.1056, 25.5190,
84.4914

■ 25.1056, 25.5190,
84.4914

■ 25.1019, 25.5115,
84.4907

■ 26.9702, 28.6936,
85.0065

■ 29.4169, 32.3552,
85.5843

■ 32.5924, 36.5840,
86.2332

■ 36.5841, 41.4291,
86.9580

■ 41.4660, 46.9327,
87.7630

■ 47.3028, 53.1320,
88.6519

■ 54.1529, 60.0609,
89.6283

■ 62.0697, 67.7505,
90.6953

■ 71.1024, 76.2300,
91.8559

Harmonies

Analogous

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



18.9028, 25.5190, 76.7488



25.1056, 25.5190, 84.4914



32.2622, 25.5190, 72.1053

Triad

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



25.1056, 25.5190, 84.4914



36.8578, 25.5190, 11.7505



14.3129, 25.5190, 14.2604

Complementary

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



25.1056, 25.5190, 84.4914



39.4494, 26.5551, 3.0483

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.



17.6961, 25.5190, 6.8100



25.1056, 25.5190, 84.4914



30.5327, 25.5190, 5.9098

Square

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



25.1056, 25.5190, 84.4914



39.8016, 25.5190, 25.4467



23.4239, 25.5190, 4.6542



13.3977, 25.5190, 30.2641

Rectangle

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



25.1056, 25.5190, 84.4914



36.4036, 25.5190, 56.4238



23.4239, 25.5190, 4.6542



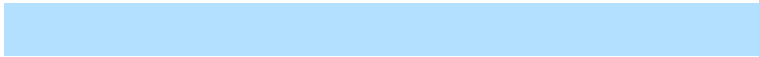
15.1635, 25.5190, 10.9731

Sweetspot

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



25.1067, 25.5198, 84.4921



63.2169, 70.1279, 104.8119



32.6521, 61.9806, 21.1262



12.7750, 14.2545, 22.3280



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.



25.1067, 25.5198, 84.4921



29.2969, 29.7138, 98.7990



15.7573, 6.8210, 81.3756



15.6814, 16.7969, 20.1372



14.1344, 14.4931, 47.1804



1.2731, 1.4002, 3.9574

Inverse Universe

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



40.1434, 20.1317, 27.3615



46.9169, 23.5308, 31.8242



59.3596, 66.3755, 9.6851



16.1686, 15.9172, 18.4441



22.4600, 11.2564, 15.6049



1.9176, 0.9561, 1.5567

Previews

White Background



This preview shows how the XYZ color 25.1056, 25.5190, 84.4914 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 25.1056, 25.5190, 84.4914 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

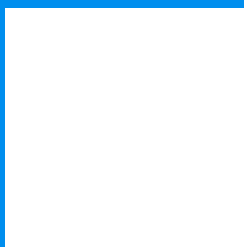
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1056, 25.5190, 84.4914

Background



This preview shows how black text looks on a background with the XYZ color 25.1056, 25.5190, 84.4914.



This preview shows how white text looks on a background with the XYZ color 25.1056, 25.5190,

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

25.1056, 25.5190, 84.4914

Protanopia

27.8787, 25.3611, 79.0271

Deuteranopia

26.4435, 25.5380, 85.1970



Tritanopia

18.0021, 25.4268, 38.6094

Trichromacy



Original Color

25.1056, 25.5190, 84.4914

Protanomaly

25.7835, 24.8560, 81.2806

Deuteranomaly

25.6856, 25.3632, 85.2032

Tritanomaly

20.0417, 25.2126, 52.5254

Monochromacy



Original Color

25.1056, 25.5190, 84.4914

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.6439, 17.6930, 34.4889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1056, 25.5190, 84.4914 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, 142, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 238)  
}
```

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, 142, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 238) }
```

Border

The CSS property to change the border of an element to XYZ 25.1056, 25.5190, 84.4914 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, 142, 238) }
```


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

```
.border{ border-color:rgb(0, 142, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1056, 25.5190, 84.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 238) }
```

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

```
.background{ background-color: rgb(0, 142,  
238) }
```

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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