

Converting Colors

XYZ(17.3227, 21.6586, 79.5423)

Have a look what the booklet for
XYZ(17.3227, 21.6586, 79.5423)
contains.

XYZ(24.2385, 25.1722, 79.9251)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.2385, 25.1722,
79.9251)**

Conversions

Conversions Part 1

Format	Color
Hex	008EE8
RGB	0, 142, 232
RGB Percent	0%, 56%, 91%
CMY	0.9998, 0.4431, 0.0902
CMYK	1.00, 0.39, 0.00, 0.09
HSL	203°, 100%, 46%
HSV	203°, 100%, 91%
XYZ	24.2385, 25.1722, 79.9251
YIQ	109.8020, -113.5220, -2.1140

Conversions

Conversions Part 2

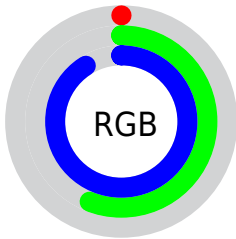
Format	Color
R _{YB}	0, 88, 232
Decimal	36584
CIE Lab	57.24, 1.37, -54.13
CIE LCh	57, 54.151, 271.451
Yxy	25.1722, 0.1874, 0.1946
Android (android.graphics.Color)	4278226664 (0xFF008EE8)
YUV	109.8020, 60.2436, -96.2964
Hunter-Lab	50.1719, -1.5659, -59.3301

Details

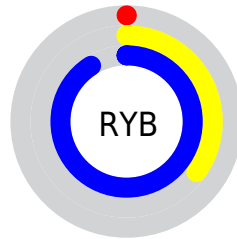
The XYZ color **24.2385, 25.1722, 79.9251** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **36.9408, 24.4790, 2.7797**, and the grayscale version is **14.6265, 15.3882, 16.7577**.

A 20% lighter version of the original color is **43.5090, 49.3144, 101.8332**, and **11.7508, 10.9633, 42.5711** is the 20% darker color. If you saturate the color by 10%, you get **24.2351, 25.1652, 79.9245**, and if you desaturate by 10%, it is **25.9922, 28.1459, 80.4072**.

Distribution



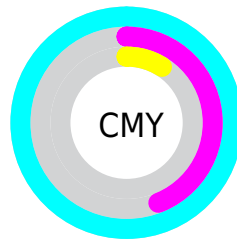
- Red (0%)
- Green (56%)
- Blue (91%)



- Red (0%)
- Yellow (35%)
- Blue (91%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (44%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2385, 25.1722, 79.9251 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 24.2385, 25.1722, 79.9251 by changing the saturation by 10% instead.

■ 24.2385, 25.1722,
79.9251

■ 24.2385, 25.1722,
79.9251

266.4422,
278.6944, 514.3805

■ 15.6363, 16.2054,
59.1309

■ 49.8710, 51.9364,
135.0709

■ 9.3564, 9.6696,
42.2978

■ 67.6320, 70.5027,
170.2595

■ 5.0333, 5.1805,
29.0072

■ 89.1766, 93.0375,
211.0834

■ 2.3018, 2.3535,
18.8407

■ 114.8703,
119.9253, 257.9611

■ 0.7956, 0.8018,
11.3796

■ 145.0783,
151.5505, 311.3111

■ 0.0000, 0.0000,
6.2054

180.1661,

■ 0.0000, 0.0000,

188.2975, 371.5520

2.8996

220.4989,
230.5507, 439.1023

■ 0.0000, 0.0000,
1.0436

■ 0.0000, 0.0000,
0.0000

■ 24.2385, 25.1722,
79.9251

■ 24.2385, 25.1722,
79.9251

■ 24.2351, 25.1652,
79.9245

■ 25.9922, 28.1459,
80.4072

■ 28.2851, 31.5616,
80.9457

■ 31.2567, 35.4949,
81.5483

■ 34.9885, 39.9914,
82.2195

■ 39.5496, 45.0898,
82.9632

■ 45.0006, 50.8248,
83.7829

■ 51.3959, 57.2276,
84.6816

■ 58.7855, 64.3268,
85.6624

■ 67.2154, 72.1493,
86.7280

Harmonies

Analogous

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



18.5108, 25.1722, 71.5112



24.2385, 25.1722, 79.9251



30.9412, 25.1722, 69.8326

Triad

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



24.2385, 25.1722, 79.9251



36.0400, 25.1722, 12.8204



14.6585, 25.1722, 13.7749

Complementary

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



24.2385, 25.1722, 79.9251



36.9408, 24.4790, 2.7797

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.



18.0594, 25.1722, 6.9908



24.2385, 25.1722, 79.9251



30.3047, 25.1722, 6.6379

Square

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



24.2385, 25.1722, 79.9251



38.4640, 25.1722, 26.5252



23.6150, 25.1722, 5.1112



13.6077, 25.1722, 28.3107

Rectangle

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



24.2385, 25.1722, 79.9251



34.9033, 25.1722, 55.7761



23.6150, 25.1722, 5.1112



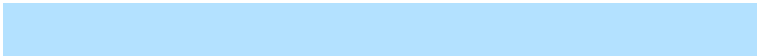
15.5308, 25.1722, 10.7841

Sweetspot

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



24.2395, 25.1730, 79.9258



63.5356, 70.7653, 104.9181



30.6596, 58.4348, 19.1083



12.8509, 14.4062, 22.3533



0.0000, 0.0000, 0.0000



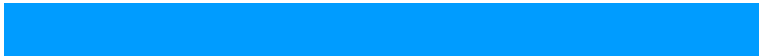
20.3446, 21.4041, 23.3091

Same Dimension

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



24.2395, 25.1730, 79.9258



29.9471, 31.0141, 99.0157



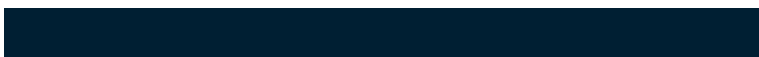
14.9611, 6.6161, 76.8330



14.3133, 15.3480, 18.3524



13.5800, 14.2222, 44.4126



1.0930, 1.2300, 3.3118

Inverse Universe

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



38.1622, 19.1103, 27.2689



47.2451, 23.6620, 33.5524



55.0966, 60.7907, 8.8317



14.7457, 14.5155, 16.8614



21.2481, 10.6334, 15.4672



1.6153, 0.8038, 1.3809

Previews

White Background



This preview shows how the XYZ color 24.2385, 25.1722, 79.9251 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 24.2385, 25.1722, 79.9251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

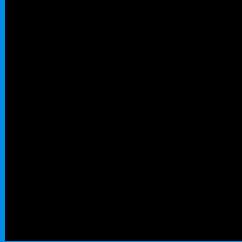
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.2385, 25.1722, 79.9251

Background



This preview shows how black text looks on a background with the XYZ color 24.2385, 25.1722, 79.9251.



This preview shows how white text looks on a background with the XYZ color 24.2385, 25.1722,

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

24.2385, 25.1722, 79.9251

Protanopia

27.2352, 25.1413, 73.9383

Deuteranopia

26.0432, 25.2184, 80.5858



Tritanopia

17.8391, 25.1008, 38.5551

Trichromacy



Original Color

24.2385, 25.1722, 79.9251

Protanomaly

24.9251, 24.5274, 76.0936

Deuteranomaly

24.8954, 24.8407, 80.5734

Tritanomaly

19.6670, 24.8106, 51.3293

Monochromacy



Original Color

24.2385, 25.1722, 79.9251

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.3181, 17.5543, 33.1528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2385, 25.1722, 79.9251 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 232) }
```

Border

The CSS property to change the border of an element to XYZ 24.2385, 25.1722, 79.9251 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, 232) }
```


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

```
.border{ border-color:rgb(0, 142, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 142,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2385, 25.1722, 79.9251 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, 232) }
```

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

```
.background{ background-color: rgb(0, 142,  
232) }
```

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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