

Converting Colors

XYZ(24.8319, 24.5699, 85.6383)

Have a look what the booklet for
XYZ(24.8319, 24.5699, 85.6383)
contains.

| | |
|--|----|
| XYZ(24.8167, 24.4682, 85.8529) | 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(24.8167, 24.4682,
85.8529)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 008AF0 |
| RGB | 0, 138, 240 |
| RGB Percent | 0%, 54%, 94% |
| CMY | 0.9997, 0.4588, 0.0588 |
| CMYK | 1.00, 0.42, 0.00, 0.06 |
| HSL | 206°, 100%, 47% |
| HSV | 206°, 100%, 94% |
| XYZ | 24.8167, 24.4682, 85.8529 |
| YIQ | 108.3660, -114.9900, 2.4660 |

Conversions

Conversions Part 2

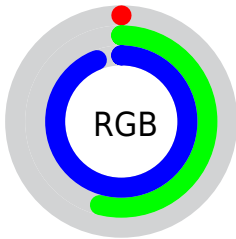
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 0, 88, 240 |
| Decimal | 35568 |
| CIE Lab | 56.55, 6.84, -59.68 |
| CIE LCh | 57, 60.067, 276.542 |
| Yxy | 24.4682, 0.1836, 0.1811 |
| Android (android.graphics.Color) | 4278225648 (0xFF008AF0) |
| YUV | 108.3660, 64.8956, -95.0370 |
| Hunter-Lab | 49.4653, 2.9889, -68.2790 |

Details

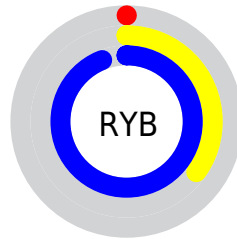
The XYZ color **24.8167, 24.4682, 85.8529** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **40.6944, 28.0427, 3.2701**, and the grayscale version is **14.2095, 14.9495, 16.2801**.

A 20% lighter version of the original color is **42.8651, 47.6697, 101.5497**, and **12.1196, 10.5637, 46.2000** is the 20% darker color. If you saturate the color by 10%, you get **24.8124, 24.4595, 85.8520**, and if you desaturate by 10%, it is **26.7286, 27.7302, 86.3823**.

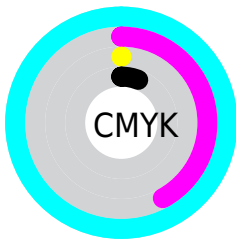
Distribution



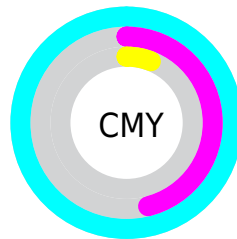
- Red (0%)
- Green (54%)
- Blue (94%)



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



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



- Cyan (100%)
- Magenta (46%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8167, 24.4682, 85.8529 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 24.8167, 24.4682, 85.8529 by changing the saturation by 10% instead.

■ 24.8167, 24.4682,
85.8529

■ 24.8167, 24.4682,
85.8529

269.2884,
275.1791, 534.6641

■ 16.0685, 15.6813,
63.9921

■ 50.8047, 50.7932,
143.4489

■ 9.6638, 9.2989,
46.1982

■ 68.7753, 69.1000,
180.0213

■ 5.2372, 4.9367,
32.0524

■ 90.5508, 91.3490,
222.3346

■ 2.4233, 2.2101,
21.1364

■ 116.4965,
117.9244, 270.8073

■ 0.8567, 0.7255,
13.0315

■ 146.9777,
149.2108, 325.8581

■ 0.0000, 0.0000,
7.3193

182.3599,

■ 0.0000, 0.0000,

185.5924, 387.9055

3.5811

223.0083,
227.4537, 457.3679

■ 0.0000, 0.0000,
1.3985

■ 0.0000, 0.0000,
0.1405

■ 24.8167, 24.4682,
85.8529

■ 24.8167, 24.4682,
85.8529

■ 24.8124, 24.4595,
85.8520

■ 26.7286, 27.7302,
86.3823

■ 29.2470, 31.5142,
86.9800

■ 32.5218, 35.9029,
87.6545

■ 36.6426, 40.9474,
88.4110

■ 41.6853, 46.6918,
89.2540

■ 47.7167, 53.1751,
90.1875

■ 54.7967, 60.4328,
91.2152

■ 62.9803, 68.4975,
92.3406

■ 72.3182, 77.3999,
93.5667

Harmonies

Analogous

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



18.3192, 24.4682, 79.6343



24.8167, 24.4682, 85.8529



32.1825, 24.4682, 70.9014

Triad

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



24.8167, 24.4682, 85.8529



35.7697, 24.4682, 9.7012



13.0019, 24.4682, 14.0982

Complementary

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



24.8167, 24.4682, 85.8529



40.6944, 28.0427, 3.2701

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.



16.1550, 24.4682, 6.1732



24.8167, 24.4682, 85.8529



29.0091, 24.4682, 4.6662

Square

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



24.8167, 24.4682, 85.8529



39.2719, 24.4682, 22.5040



21.7627, 24.4682, 3.8100



12.3217, 24.4682, 31.2578

Rectangle

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



24.8167, 24.4682, 85.8529



36.3237, 24.4682, 53.8970



21.7627, 24.4682, 3.8100



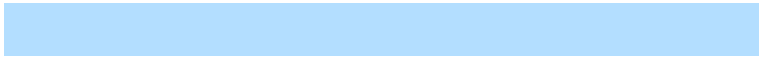
13.7720, 24.4682, 10.5898

Sweetspot

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



24.8178, 24.4689, 85.8536



62.7734, 69.2409, 104.6641



33.4635, 63.2420, 22.5107



12.6696, 14.0436, 22.2929



0.0000, 0.0000, 0.0000



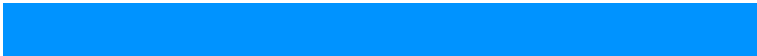
20.3446, 21.4041, 23.3091

Same Dimension

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



24.8178, 24.4689, 85.8536



28.4204, 27.9608, 98.5068



15.9805, 6.7945, 82.9078



15.6518, 16.7377, 20.1274



13.7172, 13.6587, 47.0413



1.2395, 1.3331, 3.9462

Inverse Universe

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



40.5237, 20.3620, 25.8394



46.4745, 23.3538, 29.4945



61.5308, 69.7155, 10.2155



16.1537, 15.9112, 18.3656



22.2495, 11.1722, 14.4961



1.9006, 0.9493, 1.4675

Previews

White Background



This preview shows how the XYZ color 24.8167, 24.4682, 85.8529 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 24.8167, 24.4682, 85.8529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

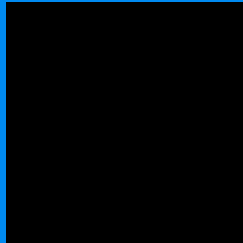
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

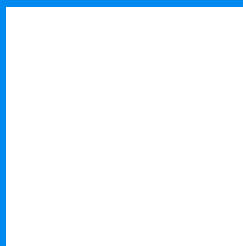
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8167, 24.4682, 85.8529

Background



This preview shows how black text looks on a background with the XYZ color 24.8167, 24.4682, 85.8529.



This preview shows how white text looks on a background with the XYZ color 24.8167, 24.4682,

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

24.8167, 24.4682, 85.8529

Protanopia

27.0874, 24.2970, 81.1040

Deuteranopia

25.3670, 24.5399, 85.8378



Tritanopia

17.2515, 24.3508, 37.0486

Trichromacy



Original Color

24.8167, 24.4682, 85.8529

Protanomaly

25.3528, 23.9762, 82.6485

Deuteranomaly

25.0047, 24.3532, 85.8208

Tritanomaly

19.4642, 24.2319, 51.7955

Monochromacy



Original Color

24.8167, 24.4682, 85.8529

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.0518, 16.8592, 33.9133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8167, 24.4682, 85.8529 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, 138, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 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, 138, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 240) }
```

Border

The CSS property to change the border of an element to XYZ 24.8167, 24.4682, 85.8529 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, 138, 240) }
```


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

```
.border{ border-color:rgb(0, 138, 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, 138, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8167, 24.4682, 85.8529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 240) }
```

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

```
.background{ background-color: rgb(0, 138,  
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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