

Converting Colors

XYZ(15.5890, 19.8258, 85.2732)

Have a look what the booklet for
XYZ(15.5890, 19.8258, 85.2732)
contains.

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Color

**XYZ(24.9608, 24.7565,
85.9010)**

Conversions

Conversions Part 1

Format	Color
Hex	008BF0
RGB	0, 139, 240
RGB Percent	0%, 55%, 94%
CMY	0.9997, 0.4549, 0.0588
CMYK	1.00, 0.42, 0.00, 0.06
HSL	205°, 100%, 47%
HSV	205°, 100%, 94%
XYZ	24.9608, 24.7565, 85.9010
YIQ	108.9530, -115.2650, 1.9430

Conversions

Conversions Part 2

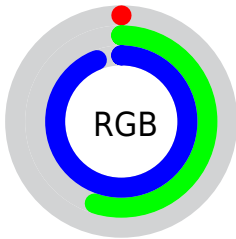
Format	Color
R _{YB}	0, 88, 240
Decimal	35824
CIE Lab	56.84, 6.24, -59.22
CIE LCh	57, 59.549, 276.012
Yxy	24.7565, 0.1841, 0.1825
Android (android.graphics.Color)	4278225904 (0xFF008BF0)
YUV	108.9530, 64.6062, -95.5518
Hunter-Lab	49.7559, 2.4744, -67.5320

Details

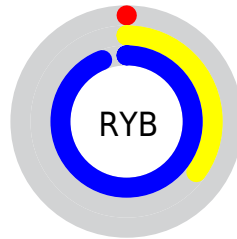
The XYZ color **24.9608, 24.7565, 85.9010** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **40.5960, 27.8459, 3.2371**, and the grayscale version is **14.3747, 15.1233, 16.4693**.

A 20% lighter version of the original color is **43.0840, 48.1074, 101.6226**, and **12.2034, 10.7312, 46.2279** is the 20% darker color. If you saturate the color by 10%, you get **24.9569, 24.7486, 85.9003**, and if you desaturate by 10%, it is **26.8704, 28.0140, 86.4297**.

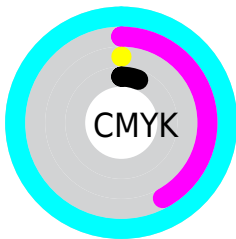
Distribution



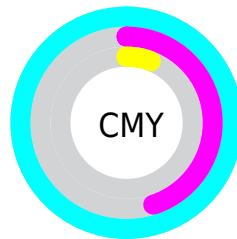
- Red (0%)
- Green (55%)
- Blue (94%)



- 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 24.9608, 24.7565, 85.9010 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 24.9608, 24.7565, 85.9010 by changing the saturation by 10% instead.

■ 24.9608, 24.7565,
85.9010

■ 24.9608, 24.7565,
85.9010

269.9939,
276.6231, 534.8269

■ 16.1764, 15.8957,
64.0317

■ 51.0370, 51.2619,
143.5166

■ 9.7407, 9.4504,
46.2300

■ 69.0595, 69.6754,
180.1001

■ 5.2883, 5.0361,
32.0774

■ 90.8921, 92.0418,
222.4253

■ 2.4539, 2.2685,
21.1553

■ 116.9001,
118.7457, 270.9108

■ 0.8721, 0.7569,
13.0452

■ 147.4490,
150.1713, 325.9752

■ 0.0000, 0.0000,
7.3286

182.9040,

■ 0.0000, 0.0000,

186.7032, 388.0369

3.5869

223.6305,
228.7257, 457.5147

■ 0.0000, 0.0000,
1.4016

■ 0.0000, 0.0000,
0.1429

■ 24.9608, 24.7565,
85.9010

■ 24.9608, 24.7565,
85.9010

■ 24.9569, 24.7486,
85.9003

■ 26.8704, 28.0140,
86.4297

■ 29.3841, 31.7887,
87.0258

■ 32.6514, 36.1628,
87.6979

■ 36.7621, 41.1874,
88.4511

■ 41.7920, 46.9063,
89.2898

■ 47.8076, 53.3584,
90.2182

■ 54.8688, 60.5789,
91.2397

■ 63.0306, 68.6004,
92.3578

■ 72.3435, 77.4532,
93.5757

Harmonies

Analogous

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



18.4960, 24.7565, 79.3594



24.9608, 24.7565, 85.9010



32.3132, 24.7565, 71.3915

Triad

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



24.9608, 24.7565, 85.9010



36.1074, 24.7565, 10.1114



13.2948, 24.7565, 14.1786

Complementary

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



24.9608, 24.7565, 85.9010



40.5960, 27.8459, 3.2371

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.



16.5032, 24.7565, 6.3141



24.9608, 24.7565, 85.9010



29.4041, 24.7565, 4.9076

Square

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



24.9608, 24.7565, 85.9010



39.5156, 24.7565, 23.1353



22.1555, 24.7565, 3.9774



12.5685, 24.7565, 31.1749

Rectangle

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



24.9608, 24.7565, 85.9010



36.4697, 24.7565, 54.5757



22.1555, 24.7565, 3.9774



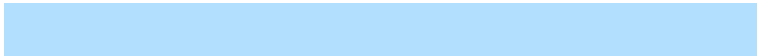
14.0829, 24.7565, 10.6998

Sweetspot

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



24.9619, 24.7572, 85.9017



62.8586, 69.4114, 104.6925



33.4633, 63.2419, 22.5098



12.6898, 14.0841, 22.2996



0.0000, 0.0000, 0.0000



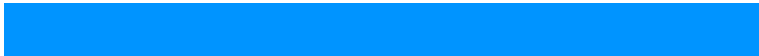
20.3446, 21.4041, 23.3091

Same Dimension

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



24.9619, 24.7572, 85.9017



28.5863, 28.2926, 98.5621



15.9804, 6.7942, 82.9078



15.6575, 16.7491, 20.1293



13.7963, 13.8168, 47.0676



1.2459, 1.3458, 3.9483

Inverse Universe

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



40.5964, 20.3910, 26.2226



46.5582, 23.3873, 29.9355



61.5307, 69.7153, 10.2153



16.1566, 15.9123, 18.3807



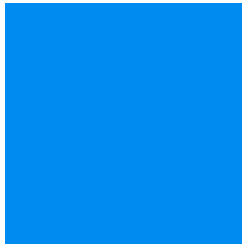
22.2893, 11.1882, 14.7061



1.9038, 0.9506, 1.4844

Previews

White Background



This preview shows how the XYZ color 24.9608, 24.7565, 85.9010 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 24.9608, 24.7565, 85.9010 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

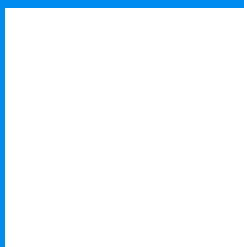
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9608, 24.7565, 85.9010

Background



This preview shows how black text looks on a background with the XYZ color 24.9608, 24.7565, 85.9010.



This preview shows how white text looks on a background with the XYZ color 24.9608, 24.7565,

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

24.9608, 24.7565, 85.9010

Protanopia

27.2736, 24.6099, 80.4035

Deuteranopia

25.6917, 24.9193, 85.8939



Tritanopia

17.4996, 24.7064, 37.5647

Trichromacy



Original Color

24.9608, 24.7565, 85.9010

Protanomaly

25.5492, 24.2836, 82.6975

Deuteranomaly

25.2176, 24.6749, 85.8717

Tritanomaly

19.7280, 24.5851, 52.4208

Monochromacy



Original Color

24.9608, 24.7565, 85.9010

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.2565, 17.1325, 34.4011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9608, 24.7565, 85.9010 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, 139, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 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, 139, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 240) }
```

Border

The CSS property to change the border of an element to XYZ 24.9608, 24.7565, 85.9010 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, 139, 240) }
```


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

```
.border{ border-color:rgb(0, 139, 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, 139, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9608, 24.7565, 85.9010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 240) }
```

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

```
.background{ background-color: rgb(0, 139,  
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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