

Converting Colors

XYZ(17.2934, 20.9635, 83.8227)

Have a look what the booklet for
XYZ(17.2934, 20.9635, 83.8227)
contains.

XYZ(24.8107, 24.9292, 84.3931)	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(24.8107, 24.9292,
84.3931)**

Conversions

Conversions Part 1

Format	Color
Hex	008CEE
RGB	0, 140, 238
RGB Percent	0%, 55%, 93%
CMY	0.9997, 0.4510, 0.0667
CMYK	1.00, 0.41, 0.00, 0.07
HSL	205°, 100%, 47%
HSV	205°, 100%, 93%
XYZ	24.8107, 24.9292, 84.3931
YIQ	109.3120, -114.8980, 0.7980

Conversions

Conversions Part 2

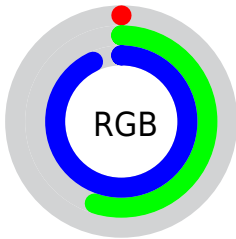
Format	Color
R _Y B	0, 88, 238
Decimal	36078
CIE Lab	57.01, 4.87, -57.84
CIE LCh	57, 58.047, 274.809
Yxy	24.9292, 0.1850, 0.1859
Android (android.graphics.Color)	4278226158 (0xFF008CEE)
YUV	109.3120, 63.4432, -95.8666
Hunter-Lab	49.9291, 1.3239, -65.2649

Details

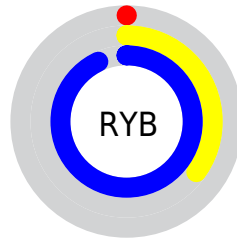
The XYZ color **24.8107, 24.9292, 84.3931** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **39.6343, 26.9250, 3.1100**, and the grayscale version is **14.4791, 15.2331, 16.5888**.

A 20% lighter version of the original color is **43.3043, 48.5481, 101.6961**, and **12.0816, 10.8184, 45.1674** is the 20% darker color. If you saturate the color by 10%, you get **24.8070, 24.9216, 84.3924**, and if you desaturate by 10%, it is **26.6813, 28.1157, 84.9101**.

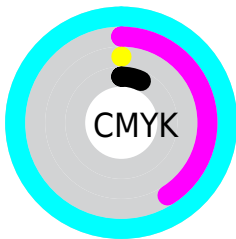
Distribution



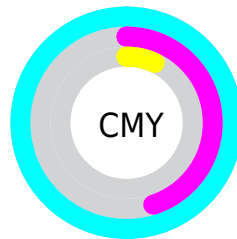
- Red (0%)
- Green (55%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (45%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8107, 24.9292, 84.3931 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 24.8107, 24.9292, 84.3931 by changing the saturation by 10% instead.

■ 24.8107, 24.9292,
84.3931

■ 24.8107, 24.9292,
84.3931

269.2590,
277.4852, 529.7098

■ 16.0641, 16.0243,
62.7928

■ 50.7951, 51.5423,
141.3916

■ 9.6606, 9.5414,
45.2337

■ 68.7635, 70.0194,
177.6268

■ 5.2351, 5.0959,
31.2972

■ 90.5366, 92.4559,
219.5774

■ 2.4220, 2.3037,
20.5649

■ 116.4796,
119.2364, 267.6619

■ 0.8561, 0.7756,
12.6182

■ 146.9581,
150.7452, 322.2988

■ 0.0000, 0.0000,
7.0386

182.3372,

■ 0.0000, 0.0000,

187.3666, 383.9068

3.4074

222.9824,
229.4852, 452.9043

■ 0.0000, 0.0000,
1.3062

■ 0.0000, 0.0000,
0.0669

■ 24.8107, 24.9292,
84.3931

■ 24.8107, 24.9292,
84.3931

■ 24.8070, 24.9216,
84.3924

■ 26.6813, 28.1157,
84.9101

■ 29.1386, 31.7987,
85.4915

■ 32.3297, 36.0587,
86.1456

■ 36.3423, 40.9453,
86.8773

■ 41.2502, 46.5011,
87.6910

■ 47.1186, 52.7635,
88.5905

■ 54.0059, 59.7668,
89.5793

■ 61.9656, 67.5425,
90.6606

■ 71.0474, 76.1201,
91.8376

Harmonies

Analogous

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



18.5401, 24.9292, 77.2765



24.8107, 24.9292, 84.3931



31.9951, 24.9292, 71.1241

Triad

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



24.8107, 24.9292, 84.3931



36.1732, 24.9292, 10.8553



13.6997, 24.9292, 14.0920

Complementary

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



24.8107, 24.9292, 84.3931



39.6343, 26.9250, 3.1100

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.



16.9701, 24.9292, 6.5119



24.8107, 24.9292, 84.3931



29.7252, 24.9292, 5.3706

Square

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



24.8107, 24.9292, 84.3931



39.3092, 24.9292, 24.1159



22.6122, 24.9292, 4.2853



12.8830, 24.9292, 30.4148

Rectangle

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



24.8107, 24.9292, 84.3931



36.1066, 24.9292, 55.0464



22.6122, 24.9292, 4.2853



14.5130, 24.9292, 10.7441

Sweetspot

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



24.8118, 24.9299, 84.3938



63.0442, 69.7826, 104.7543



32.6521, 61.9805, 21.1262



12.7339, 14.1724, 22.3143



0.0000, 0.0000, 0.0000



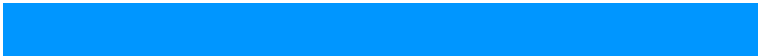
20.3446, 21.4041, 23.3091

Same Dimension

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



24.8118, 24.9299, 84.3938



28.9518, 29.0236, 98.6839



15.7573, 6.8210, 81.3756



15.6699, 16.7739, 20.1334



13.9702, 14.1647, 47.1256



1.2599, 1.3739, 3.9530

Inverse Universe

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



39.9946, 20.0722, 26.5776



46.7427, 23.4611, 30.9070



59.3596, 66.3755, 9.6851



16.1628, 15.9148, 18.4136



22.3772, 11.2233, 15.1685



1.9109, 0.9534, 1.5217

Previews

White Background



This preview shows how the XYZ color 24.8107, 24.9292, 84.3931 looks on a white background.

Color Contrast Check

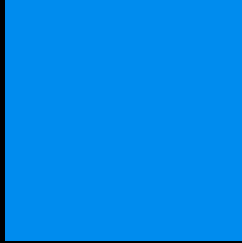
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8107, 24.9292, 84.3931 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

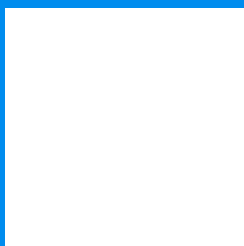
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8107, 24.9292, 84.3931

Background



This preview shows how black text looks on a background with the XYZ color 24.8107, 24.9292, 84.3931.



This preview shows how white text looks on a background with the XYZ color 24.8107, 24.9292,

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

24.8107, 24.9292, 84.3931

Protanopia

27.4274, 24.9243, 78.9666

Deuteranopia

25.9351, 25.0619, 85.1319



Tritanopia

17.5882, 24.7419, 38.0311

Trichromacy



Original Color

24.8107, 24.9292, 84.3931

Protanomaly

25.5189, 24.5095, 81.2277

Deuteranomaly

25.3777, 24.9885, 85.1471

Tritanomaly

19.7280, 24.5851, 52.4208

Monochromacy



Original Color

24.8107, 24.9292, 84.3931

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.1715, 17.0985, 33.9532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8107, 24.9292, 84.3931 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 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, 140, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 238) }
```

Border

The CSS property to change the border of an element to XYZ 24.8107, 24.9292, 84.3931 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, 238) }
```


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

```
.border{ border-color:rgb(0, 140, 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, 140, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8107, 24.9292, 84.3931 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, 238) }
```

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

```
.background{ background-color: rgb(0, 140,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor