

Converting Colors

XYZ(24.0458, 24.3519, 81.2015)

Have a look what the booklet for
XYZ(24.0458, 24.3519, 81.2015)
contains.

XYZ(24.0839, 24.4058, 81.2833)	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(24.0839, 24.4058,
81.2833)**

Conversions

Conversions Part 1

Format	Color
Hex	008BEA
RGB	0, 139, 234
RGB Percent	0%, 55%, 92%
CMY	0.9998, 0.4549, 0.0824
CMYK	1.00, 0.41, 0.00, 0.08
HSL	204°, 100%, 46%
HSV	204°, 100%, 92%
XYZ	24.0839, 24.4058, 81.2833
YIQ	108.2690, -113.3390, 0.0770

Conversions

Conversions Part 2

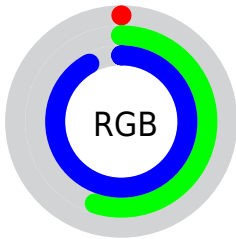
Format	Color
RYB	0, 87, 234
Decimal	35818
CIELab	56.49, 3.93, -56.44
CIELCh	56, 56.581, 273.985
Yxy	24.4058, 0.1856, 0.1881
Android (android.graphics.Color)	4278225898 (0xFF008BEA)
YUV	108.2690, 61.9854, -94.9519
Hunter-Lab	49.4022, 0.5660, -62.9705

Details

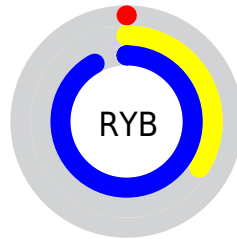
The XYZ color **24.0839, 24.4058, 81.2833** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **38.0299, 25.6879, 2.9556**, and the grayscale version is **14.1890, 14.9279, 16.2565**.

A 20% lighter version of the original color is **42.9630, 48.0451, 101.6170**, and **11.6920, 10.5267, 43.5351** is the 20% darker color. If you saturate the color by 10%, you get **24.0806, 24.3990, 81.2827**, and if you desaturate by 10%, it is **25.8844, 27.4663, 81.7797**.

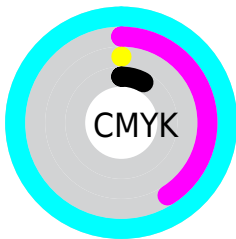
Distribution



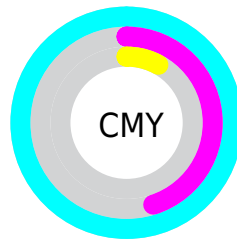
- Red (0%)
- Green (55%)
- Blue (92%)



- Red (0%)
- Yellow (34%)
- Blue (92%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (45%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0839, 24.4058, 81.2833 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 24.0839, 24.4058, 81.2833 by changing the saturation by 10% instead.

■ 24.0839, 24.4058,
81.2833

■ 24.0839, 24.4058,
81.2833

265.6770,
274.8657, 519.0676

■ 15.5209, 15.6349,
60.2426

■ 49.6208, 50.6916,
136.9961

■ 9.2745, 9.2662,
43.1876

■ 67.3254, 68.9753,
172.5053

■ 4.9792, 4.9152,
29.6999

■ 88.8079, 91.1987,
213.6744

■ 2.2697, 2.1976,
19.3608

■ 114.4337,
117.7463, 260.9220

■ 0.7791, 0.7187,
11.7518

■ 144.5682,
149.0024, 314.6666

■ 0.0000, 0.0000,
6.4544

179.5767,

■ 0.0000, 0.0000,

185.3514, 375.3266

3.0501

219.8245,
227.1777, 443.3208

■ 0.0000, 0.0000,
1.1203

■ 0.0000, 0.0000,
0.0000

■ 24.0839, 24.4058,
81.2833

■ 24.0839, 24.4058,
81.2833

■ 24.0806, 24.3990,
81.2827

■ 25.8844, 27.4663,
81.7797

■ 28.2451, 30.9974,
82.3368

■ 31.3081, 35.0765,
82.9628

■ 35.1570, 39.7509,
83.6622

■ 39.8629, 45.0611,
84.4391

■ 45.4879, 51.0430,
85.2973

■ 52.0880, 57.7292,
86.2400

■ 59.7145, 65.1496,
87.2703

■ 68.4148, 73.3322,
88.3911

Harmonies

Analogous

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



18.0973, 24.4058, 73.9918



24.0839, 24.4058, 81.2833



30.9781, 24.4058, 69.1375

Triad

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



24.0839, 24.4058, 81.2833



35.2934, 24.4058, 11.0745



13.6151, 24.4058, 13.6796

Complementary

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



24.0839, 24.4058, 81.2833



38.0299, 25.6879, 2.9556

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.



16.8419, 24.4058, 6.4762



24.0839, 24.4058, 81.2833



29.1746, 24.4058, 5.5460

Square

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



24.0839, 24.4058, 81.2833



38.1757, 24.4058, 24.1435



22.3321, 24.4058, 4.3825



12.7600, 24.4058, 29.1619

Rectangle

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



24.0839, 24.4058, 81.2833



34.9559, 24.4058, 53.9442



22.3321, 24.4058, 4.3825



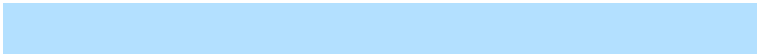
14.4240, 24.4058, 10.5006

Sweetspot

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



24.0849, 24.4065, 81.2840



63.1631, 70.0204, 104.7940



31.4279, 59.6481, 20.3612



12.7622, 14.2289, 22.3238



0.0000, 0.0000, 0.0000



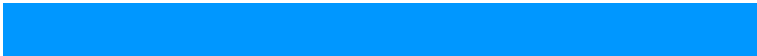
20.3446, 21.4041, 23.3091

Same Dimension

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



24.0849, 24.4065, 81.2840



29.1889, 29.4978, 98.7630



15.1676, 6.5719, 78.3115



14.9750, 16.0364, 19.2283



13.6586, 13.9642, 45.7184



1.1666, 1.2846, 3.6213

Inverse Universe

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



38.5929, 19.3580, 26.1289



46.8624, 23.5090, 31.5372



57.1289, 63.8860, 9.3220



15.4409, 15.2042, 17.6072



21.7495, 10.9025, 15.0142



1.7553, 0.8751, 1.4290

Previews

White Background



This preview shows how the XYZ color 24.0839, 24.4058, 81.2833 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 24.0839, 24.4058, 81.2833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

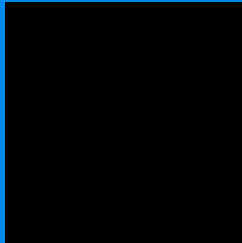
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.0839, 24.4058, 81.2833

Background



This preview shows how black text looks on a background with the XYZ color 24.0839, 24.4058, 81.2833.



This preview shows how white text looks on a background with the XYZ color 24.0839, 24.4058,

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

24.0839, 24.4058, 81.2833

Protanopia

26.8357, 24.4815, 75.9840

Deuteranopia

25.2678, 24.3634, 81.9681



Tritanopia

17.2515, 24.3508, 37.0486

Trichromacy



Original Color

24.0839, 24.4058, 81.2833

Protanomaly

24.8104, 24.0018, 78.1881

Deuteranomaly

24.6007, 24.2296, 81.9774

Tritanomaly

19.2485, 24.1456, 50.6598

Monochromacy



Original Color

24.0839, 24.4058, 81.2833

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.8838, 16.7920, 33.0286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0839, 24.4058, 81.2833 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 234) }
```

Border

The CSS property to change the border of an element to XYZ 24.0839, 24.4058, 81.2833 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, 234) }
```


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

```
.border{ border-color:rgb(0, 139, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0839, 24.4058, 81.2833 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, 234) }
```

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

```
.background{ background-color: rgb(0, 139,  
234) }
```

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