

Converting Colors

$Yxy(13.9371, 0.0474, 0.1322)$

Have a look what the booklet for
Yxy(13.9371, 0.0474, 0.1322)
contains.

Yxy(24.3021, 0.1827, 0.1778)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.3021, 0.1827, 0.1778)

Conversions

Conversions Part 1

Format	Color
Hex	0089F2
RGB	0, 137, 242
RGB Percent	0%, 54%, 95%
CMY	1.0000, 0.4627, 0.0508
CMYK	1.00, 0.43, 0.00, 0.05
HSL	206°, 100%, 47%
HSV	206°, 100%, 95%
XYZ	24.9718, 24.3021, 87.4083
YIQ	108.0070, -115.3570, 3.6110

Conversions

Conversions Part 2

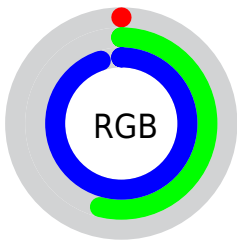
Format	Color
R _Y B	0, 87, 242
Decimal	35314
CIE Lab	56.39, 8.22, -61.07
CIE LCh	56, 61.620, 277.664
Yxy	24.3021, 0.1827, 0.1778
Android (android.graphics.Color)	4278225394 (0xFF0089F2)
YUV	108.0070, 66.0585, -94.7221
Hunter-Lab	49.2972, 4.1505, -70.6185

Details

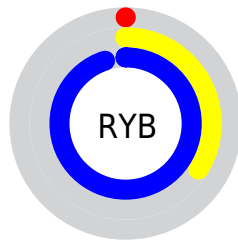
The Yxy color **24.3021, 0.1827, 0.1778** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **28.9937, 0.5627, 0.3914**, and the grayscale version is **14.8365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2981, 0.2233, 0.2469**, and **10.4822, 0.1749, 0.1497** is the 20% darker color. If you saturate the color by 10%, you get **24.3060, 0.1827, 0.1778**, and if you desaturate by 10%, it is **27.6359, 0.1889, 0.1939**.

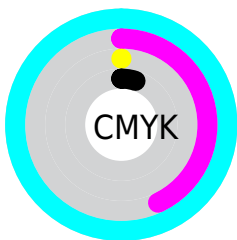
Distribution



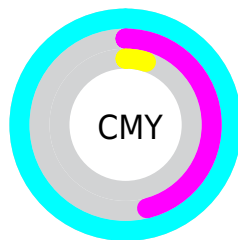
- Red (0%)
- Green (54%)
- Blue (95%)



- Red (0%)
- Yellow (34%)
- Blue (95%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (46%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3021, 0.1827, 0.1778 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 Yxy color 24.3021, 0.1827, 0.1778 by changing the saturation by 10% instead.

■ 24.3021, 0.1827,
0.1778

■ 24.3021, 0.1827,
0.1778

274.3443, 0.2491,
0.2530

■ 15.5579, 0.1668,
0.1604

■ 50.5227, 0.2065,
0.2044

■ 9.2118, 0.1473,
0.1392

■ 68.7679, 0.2156,
0.2146

■ 4.8796, 0.1230,
0.1134

■ 90.9489, 0.2233,
0.2234

■ 2.1768, 0.0931,
0.0825

■ 117.4501, 0.2299,
0.2310

■ 0.7073, 0.0580,
0.0470

■ 148.6558, 0.2357,
0.2376

■ 0.0000, 0.0000,
0.0000

184.9504, 0.2407,

0.2433

226.7185, 0.2451,
0.2485

■ 24.3021, 0.1827,
0.1778

■ 24.3021, 0.1827,
0.1778

■ 24.3060, 0.1827,
0.1778

■ 27.6359, 0.1889,
0.1939

■ 31.5093, 0.1972,
0.2107

■ 36.0104, 0.2078,
0.2278

■ 41.1920, 0.2203,
0.2448

■ 47.0995, 0.2343,
0.2613

■ 53.7732, 0.2495,
0.2771

■ 61.2498, 0.2653,
0.2919

■ 69.5631, 0.2813,
0.3055

■ 78.7445, 0.2972,
0.3179

Harmonies

Analogous

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



24.3021, 0.1470, 0.1954



24.3021, 0.1827, 0.1778



24.3021, 0.2540, 0.1899

Triad

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



24.3021, 0.1827, 0.1778



24.3021, 0.5174, 0.3521



24.3021, 0.2468, 0.4756

Complementary

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



24.3021, 0.1827, 0.1778



28.9937, 0.5627, 0.3914

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.



24.3021, 0.3415, 0.5284



24.3021, 0.1827, 0.1778



24.3021, 0.5013, 0.4245

Square

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



24.3021, 0.1827, 0.1778



24.3021, 0.4626, 0.2847



24.3021, 0.4338, 0.4945



24.3021, 0.1758, 0.3555

Rectangle

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



24.3021, 0.1827, 0.1778



24.3021, 0.3207, 0.2123



24.3021, 0.4338, 0.4945



24.3021, 0.2771, 0.5041

Sweetspot

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



24.3060, 0.1827, 0.1778



68.8821, 0.2651, 0.2918



64.5443, 0.2793, 0.5255



13.9584, 0.2584, 0.2857



0.0000, 0.0000, 0.0000



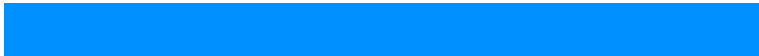
21.4041, 0.3127, 0.3290

Same Dimension

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



24.3060, 0.1827, 0.1778



27.2706, 0.1826, 0.1774



6.7877, 0.1509, 0.0631



16.7137, 0.2980, 0.3185



13.3299, 0.1835, 0.1805



1.3064, 0.1894, 0.2018

Inverse Universe

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



20.6903, 0.4712, 0.2369



23.2841, 0.4717, 0.2372



73.2234, 0.4317, 0.4954



15.9088, 0.3205, 0.3157



11.1390, 0.4680, 0.2352



0.9466, 0.4433, 0.2216

Previews

White Background



This preview shows how the Yxy color 24.3021, 0.1827, 0.1778 looks on a white background.

Color Contrast Check

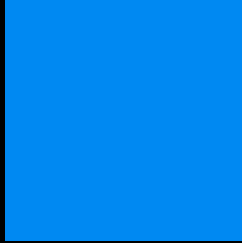
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 24.3021, 0.1827, 0.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

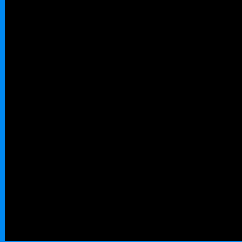
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

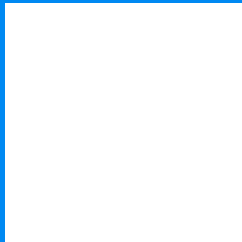
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3021, 0.1827, 0.1778

Background



This preview shows how black text looks on a background with the Yxy color 24.3021, 0.1827, 0.1778.



This preview shows how white text looks on a background with the Yxy color 24.3021, 0.1827, 0.1778.

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

24.3021, 0.1827, 0.1778

Protanopia

24.2672, 0.2022, 0.1811

Deuteranopia

24.4213, 0.1839, 0.1782



Tritanopia

24.3508, 0.2193, 0.3096

Trichromacy



Original Color

24.3021, 0.1827, 0.1778

Protanomaly

23.7603, 0.1905, 0.1783

Deuteranomaly

24.3733, 0.1835, 0.1781

Tritanomaly

23.9685, 0.2029, 0.2504

Monochromacy



Original Color

24.3021, 0.1827, 0.1778

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.8932, 0.2280, 0.2544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3021, 0.1827, 0.1778 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, 137, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 242)  
}
```

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, 137, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 242) }
```

Border

The CSS property to change the border of an element to Yxy 24.3021, 0.1827, 0.1778 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, 137, 242) }
```

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

```
.border{ border-color:rgb(0, 137, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 137, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3021, 0.1827, 0.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 242) }
```

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

```
.background{ background-color: rgb(0, 137,  
242) }
```

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