

Converting Colors

$Yxy(24.8334, 0.1989, 0.1929)$

Have a look what the booklet for
Yxy(24.8334, 0.1989, 0.1929)
contains.

Yxy(24.8334, 0.1989, 0.1929)	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(24.8334, 0.1989, 0.1929)

Conversions

Conversions Part 1

Format	Color
Hex	4489E6
RGB	68, 137, 230
RGB Percent	27%, 54%, 90%
CMY	0.7337, 0.4627, 0.0981
CMYK	0.70, 0.40, 0.00, 0.10
HSL	214°, 76%, 58%
HSV	214°, 70%, 90%
XYZ	25.6058, 24.8334, 78.2979
YIQ	126.9710, -70.9770, 14.2950

Conversions

Conversions Part 2

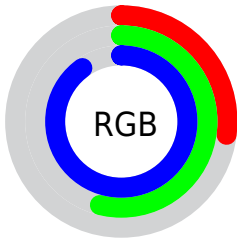
Format	Color
R _{YB}	68, 116, 230
Decimal	4491750
CIE Lab	56.91, 8.65, -53.47
CIE LCh	57, 54.165, 279.186
Yxy	24.8334, 0.1989, 0.1929
Android (android.graphics.Color)	4282681830 (0xFF4489E6)
YUV	126.9710, 50.7933, -51.7176
Hunter-Lab	49.8331, 4.5109, -58.2734

Details

The Yxy color **24.8334, 0.1989, 0.1929** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **42.6853, 0.4624, 0.4255**, and the grayscale version is **21.0468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0335, 0.2344, 0.2491**, and **10.0354, 0.1779, 0.1604** is the 20% darker color. If you saturate the color by 10%, you get **20.6396, 0.1866, 0.1708**, and if you desaturate by 10%, it is **29.8114, 0.2134, 0.2154**.

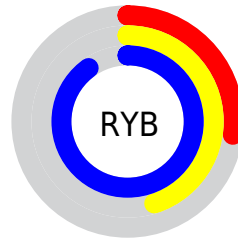
Distribution



Red (27%)

Green (54%)

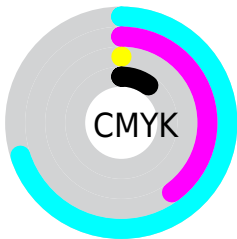
Blue (90%)



Red (27%)

Yellow (45%)

Blue (90%)

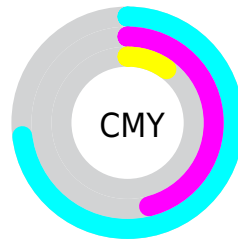


Cyan (70%)

Magenta (40%)

Yellow (0%)

Black (10%)



Cyan (73%)

Magenta (46%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8334, 0.1989, 0.1929 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 24.8334, 0.1989, 0.1929 by changing the saturation by 10% instead.

■ 24.8334, 0.1989,
0.1929

■ 24.8334, 0.1989,
0.1929

277.0072, 0.2579,
0.2616

■ 15.9530, 0.1843,
0.1764

■ 51.3868, 0.2204,
0.2175

■ 9.4909, 0.1659,
0.1561

■ 69.8286, 0.2285,
0.2269

■ 5.0627, 0.1424,
0.1306

■ 92.2263, 0.2354,
0.2349

■ 2.2841, 0.1122,
0.0989

■ 118.9643, 0.2412,
0.2418

■ 0.7653, 0.0745,
0.0605

150.4270, 0.2463,
0.2477

■ 0.0000, 0.0000,
0.0000

186.9988, 0.2507,

0.2529

229.0641, 0.2545,
0.2575

■ 24.8334, 0.1989,
0.1929

■ 24.8334, 0.1989,
0.1929

■ 20.6396, 0.1866,
0.1708

■ 29.8114, 0.2134,
0.2154

■ 17.1707, 0.1769,
0.1499

■ 35.6209, 0.2293,
0.2376

■ 14.4598, 0.1699,
0.1317

■ 42.3070, 0.2461,
0.2589

■ 49.9107, 0.2632,
0.2788

■ 58.4699, 0.2801,
0.2970

■ 68.0200, 0.2965,
0.3136

■ 78.5946, 0.3120,
0.3283

■ 90.2254, 0.3266,
0.3414

■ 98.4925, 0.3274,
0.3532

Harmonies

Analogous

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



24.8334, 0.1641, 0.2087



24.8334, 0.1989, 0.1929



24.8334, 0.2655, 0.2049

Triad

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



24.8334, 0.1989, 0.1929



24.8334, 0.4937, 0.3566



24.8334, 0.2525, 0.4499

Complementary

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



24.8334, 0.1989, 0.1929



42.6853, 0.4624, 0.4255

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.



24.8334, 0.3372, 0.5014



24.8334, 0.1989, 0.1929



24.8334, 0.4797, 0.4223

Square

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



24.8334, 0.1989, 0.1929



24.8334, 0.4476, 0.2939



24.8334, 0.4201, 0.4806



24.8334, 0.1891, 0.3481

Rectangle

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



24.8334, 0.1989, 0.1929



24.8334, 0.3255, 0.2263



24.8334, 0.4201, 0.4806



24.8334, 0.2795, 0.4755

Sweetspot

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



24.8342, 0.1989, 0.1929



73.1634, 0.2790, 0.2959



60.3425, 0.2639, 0.4305



14.9953, 0.2744, 0.2910



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.



24.8342, 0.1989, 0.1929



23.7805, 0.1814, 0.1601



11.4856, 0.1825, 0.1073



14.8925, 0.2981, 0.3152



8.4184, 0.1707, 0.1346



0.8032, 0.1787, 0.1631

Inverse Universe

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



22.7509, 0.4458, 0.2587



24.2920, 0.4899, 0.2586



72.0922, 0.3987, 0.4905



14.4695, 0.3226, 0.3190



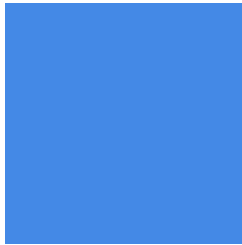
10.0476, 0.5264, 0.2673



0.7608, 0.4892, 0.2468

Previews

White Background



This preview shows how the Yxy color 24.8334, 0.1989, 0.1929 looks on a white background.

Color Contrast Check

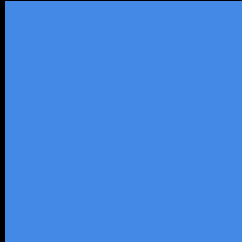
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8334, 0.1989, 0.1929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

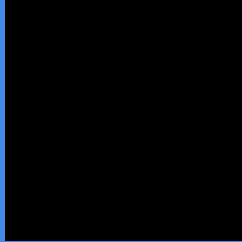
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

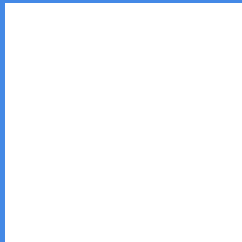
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.8334, 0.1989, 0.1929

Background



This preview shows how black text looks on a background with the Yxy color 24.8334, 0.1989, 0.1929.



This preview shows how white text looks on a background with the Yxy color 24.8334, 0.1989, 0.1929.

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

24.8334, 0.1989, 0.1929

Protanopia

24.8074, 0.2127, 0.1951

Deuteranopia

24.8334, 0.1989, 0.1929



Tritanopia

24.7776, 0.2184, 0.3061

Trichromacy



Original Color

24.8334, 0.1989, 0.1929

Protanomaly

24.5747, 0.2068, 0.1938

Deuteranomaly

24.8334, 0.1989, 0.1929

Tritanomaly

24.3523, 0.2075, 0.2572

Monochromacy



Original Color

24.8334, 0.1989, 0.1929

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.9771, 0.2563, 0.2713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8334, 0.1989, 0.1929 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(68, 137, 230)` looks like.

```
.text, #text, p{  
    color:rgb(68, 137, 230)  
}
```

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(68, 137, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 137, 230) }
```

Border

The CSS property to change the border of an element to Yxy 24.8334, 0.1989, 0.1929 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(68, 137, 230) }
```

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

```
.border{ border-color:rgb(68, 137, 230) }
```

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

Here you see how a box with a 4 pixel rgb(68, 137, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 137, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 137, 230);  
box-shadow:4px 4px 4px 4px rgb(68, 137,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8334, 0.1989, 0.1929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 137, 230) }
```

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

```
.background{ background-color: rgb(68, 137,  
230) }
```

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