

Converting Colors

$Y_{xy}(24.6340, 0.1958, 0.1982)$

Have a look what the booklet for
Yxy(24.6340, 0.1958, 0.1982)
contains.

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Color

Yxy(24.6863, 0.1958, 0.1983)

Conversions

Conversions Part 1

Format	Color
Hex	348BE2
RGB	52, 139, 226
RGB Percent	20%, 55%, 89%
CMY	0.7961, 0.4549, 0.1137
CMYK	0.77, 0.38, 0.00, 0.11
HSL	210°, 75%, 55%
HSV	210°, 77%, 89%
XYZ	24.3751, 24.6863, 75.4283
YIQ	122.9050, -79.7790, 8.6130

Conversions

Conversions Part 2

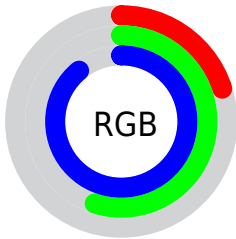
Format	Color
R _Y B	52, 110, 226
Decimal	3443682
CIE Lab	56.77, 4.01, -51.50
CIE LCh	57, 51.658, 274.452
Yxy	24.6863, 0.1958, 0.1983
Android (android.graphics.Color)	4281633762 (0xFF348BE2)
YUV	122.9050, 50.8258, -62.1837
Hunter-Lab	49.6853, 0.6209, -55.2296

Details

The Yxy color **24.6863, 0.1958, 0.1983** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **34.8780, 0.4912, 0.4157**, and the grayscale version is **19.6238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0568, 0.2296, 0.2507**, and **10.2146, 0.1802, 0.1687** is the 20% darker color. If you saturate the color by 10%, you get **21.1193, 0.1859, 0.1791**, and if you desaturate by 10%, it is **28.8798, 0.2079, 0.2180**.

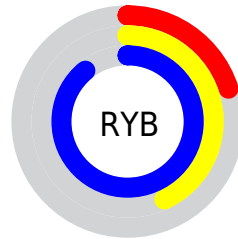
Distribution



Red (20%)

Green (55%)

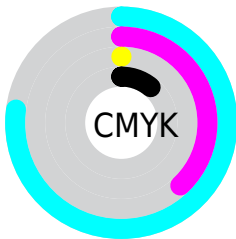
Blue (89%)



Red (20%)

Yellow (43%)

Blue (89%)

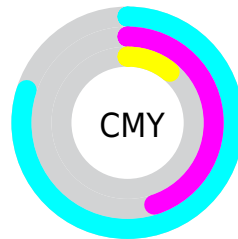


Cyan (77%)

Magenta (38%)

Yellow (0%)

Black (11%)



Cyan (80%)

Magenta (45%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6863, 0.1958, 0.1983 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 24.6863, 0.1958, 0.1983 by changing the saturation by 10% instead.

■ 24.6863, 0.1958,
0.1983

■ 24.6863, 0.1958,
0.1983

276.2721, 0.2563,
0.2651

■ 15.8435, 0.1808,
0.1820

■ 51.1479, 0.2179,
0.2225

■ 9.4135, 0.1620,
0.1617

■ 69.5354, 0.2262,
0.2316

■ 5.0118, 0.1380,
0.1361

■ 91.8733, 0.2332,
0.2394

■ 2.2542, 0.1072,
0.1037

■ 118.5459, 0.2392,
0.2460

■ 0.7493, 0.0690,
0.0639

■ 149.9378, 0.2444,
0.2518

■ 0.0000, 0.0000,
0.0000

186.4331, 0.2489,

0.2568

228.4164, 0.2528,
0.2612

■ 24.6863, 0.1958,
0.1983

■ 24.6863, 0.1958,
0.1983

■ 21.1193, 0.1859,
0.1791

■ 28.8798, 0.2079,
0.2180

■ 18.1193, 0.1785,
0.1609

■ 33.7434, 0.2219,
0.2375

■ 17.3028, 0.1766,
0.1556

■ 39.3181, 0.2372,
0.2565

■ 45.6403, 0.2533,
0.2744

■ 52.7432, 0.2698,
0.2911

■ 60.6579, 0.2861,
0.3064

■ 69.4132, 0.3020,
0.3202

■ 79.0367, 0.3172,
0.3326

■ 89.4798, 0.3314,
0.3435

Harmonies

Analogous

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



24.6863, 0.1667, 0.2188



24.6863, 0.1958, 0.1983



24.6863, 0.2556, 0.2058

Triad

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



24.6863, 0.1958, 0.1983



24.6863, 0.4829, 0.3467



24.6863, 0.2676, 0.4561

Complementary

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



24.6863, 0.1958, 0.1983



34.8780, 0.4912, 0.4157

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.



24.6863, 0.3504, 0.4944



24.6863, 0.1958, 0.1983



24.6863, 0.4790, 0.4102

Square

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



24.6863, 0.1958, 0.1983



24.6863, 0.4300, 0.2867



24.6863, 0.4278, 0.4678



24.6863, 0.2017, 0.3634

Rectangle

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



24.6863, 0.1958, 0.1983



24.6863, 0.3108, 0.2243



24.6863, 0.4278, 0.4678



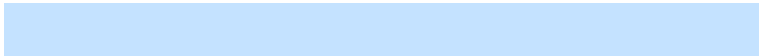
24.6863, 0.2944, 0.4770

Sweetspot

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



24.6871, 0.1958, 0.1983



73.2203, 0.2760, 0.2972



56.9008, 0.2698, 0.4644



14.8872, 0.2701, 0.2915



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.



24.6871, 0.1958, 0.1983



25.4669, 0.1815, 0.1687



8.9433, 0.1680, 0.0910



14.3701, 0.2981, 0.3170



10.1092, 0.1773, 0.1584



0.8798, 0.1851, 0.1863

Inverse Universe

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



20.4880, 0.4426, 0.2434



23.6011, 0.4812, 0.2465



69.2427, 0.4136, 0.4905



13.8143, 0.3214, 0.3173



9.9286, 0.4952, 0.2501



0.7063, 0.4611, 0.2314

Previews

White Background



This preview shows how the Yxy color 24.6863, 0.1958, 0.1983 looks on a white background.

Color Contrast Check

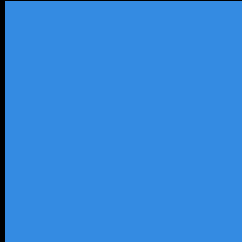
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6863, 0.1958, 0.1983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

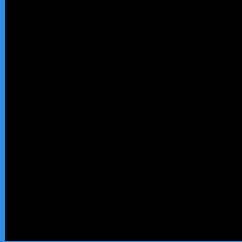
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

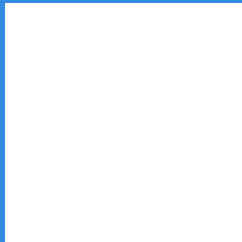
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.6863, 0.1958, 0.1983

Background



This preview shows how black text looks on a background with the Yxy color 24.6863, 0.1958, 0.1983.



This preview shows how white text looks on a background with the Yxy color 24.6863, 0.1958, 0.1983.

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

24.6863, 0.1958, 0.1983

Protanopia

24.4365, 0.2175, 0.2003

Deuteranopia

24.5708, 0.2016, 0.1949



Tritanopia

24.4213, 0.2183, 0.3059

Trichromacy



Original Color

24.6863, 0.1958, 0.1983

Protanomaly

24.4409, 0.2077, 0.1998

Deuteranomaly

24.5612, 0.1989, 0.1955

Tritanomaly

24.1990, 0.2074, 0.2600

Monochromacy



Original Color

24.6863, 0.1958, 0.1983

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.7800, 0.2511, 0.2728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6863, 0.1958, 0.1983 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(52, 139, 226)` looks like.

```
.text, #text, p{  
    color:rgb(52, 139, 226)  
}
```

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(52, 139, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 139, 226) }
```

Border

The CSS property to change the border of an element to Yxy 24.6863, 0.1958, 0.1983 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(52, 139, 226) }
```

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

```
.border{ border-color:rgb(52, 139, 226) }
```

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

Here you see how a box with a 4 pixel rgb(52, 139, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 139, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 139, 226);  
box-shadow:4px 4px 4px 4px rgb(52, 139,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6863, 0.1958, 0.1983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 139, 226) }
```

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

```
.background{ background-color: rgb(52, 139,  
226) }
```

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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