

Converting Colors

$Yxy(25.7921, 0.1934, 0.2039)$

Have a look what the booklet for
Yxy(25.7921, 0.1934, 0.2039)
contains.

Yxy(25.8327, 0.1934, 0.2039)	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(25.8327, 0.1934, 0.2039)

Conversions

Conversions Part 1

Format	Color
Hex	2290E3
RGB	34, 144, 227
RGB Percent	13%, 56%, 89%
CMY	0.8656, 0.4353, 0.1099
CMYK	0.85, 0.37, 0.00, 0.11
HSL	206°, 77%, 51%
HSV	206°, 85%, 89%
XYZ	24.5024, 25.8327, 76.3579
YIQ	120.5720, -92.2030, 2.4930

Conversions

Conversions Part 2

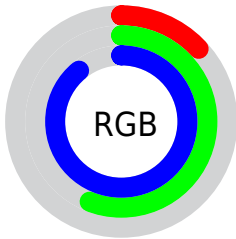
Format	Color
RYP	34, 104, 227
Decimal	2265315
CIELab	57.88, -0.22, -50.31
CIElCh	58, 50.314, 269.750
Yxy	25.8327, 0.1934, 0.2039
Android (android.graphics.Color)	4280455395 (0xFF2290E3)
YUV	120.5720, 52.4690, -75.9236
Hunter-Lab	50.8259, -2.8930, -53.4958

Details

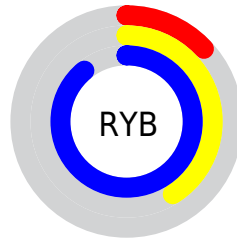
The Yxy color **25.8327, 0.1934, 0.2039** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **29.2282, 0.5273, 0.4018**, and the grayscale version is **18.8498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6632, 0.2270, 0.2565**, and **10.9457, 0.1821, 0.1756** is the 20% darker color. If you saturate the color by 10%, you get **22.7302, 0.1862, 0.1876**, and if you desaturate by 10%, it is **29.4479, 0.2028, 0.2207**.

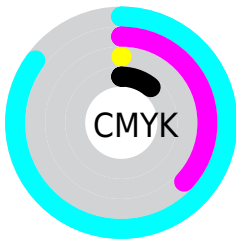
Distribution



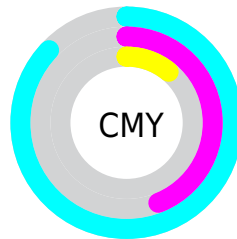
- Red (13%)
- Green (56%)
- Blue (89%)



- Red (13%)
- Yellow (41%)
- Blue (89%)



- Cyan (85%)
- Magenta (37%)
- Yellow (0%)
- Black (11%)



- Cyan (87%)
- Magenta (44%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8327, 0.1934, 0.2039 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 25.8327, 0.1934, 0.2039 by changing the saturation by 10% instead.

■ 25.8327, 0.1934,
0.2039

■ 25.8327, 0.1934,
0.2039

281.9598, 0.2546,
0.2681

■ 16.6985, 0.1784,
0.1882

■ 53.0049, 0.2156,
0.2272

■ 10.0198, 0.1596,
0.1684

■ 71.8118, 0.2240,
0.2360

■ 5.4121, 0.1358,
0.1434

■ 94.6116, 0.2311,
0.2434

■ 2.4910, 0.1055,
0.1115

■ 121.7889, 0.2371,
0.2498

■ 0.8721, 0.0680,
0.0720

■ 153.7279, 0.2424,
0.2553

■ 0.0000, 0.0000,
0.0000

190.8132, 0.2470,

0.2601

233.4290, 0.2510,
0.2644

■ 25.8327, 0.1934,
0.2039

■ 25.8327, 0.1934,
0.2039

■ 22.7302, 0.1862,
0.1876

■ 29.4479, 0.2028,
0.2207

■ 21.3083, 0.1832,
0.1795

■ 33.6227, 0.2144,
0.2376

■ 38.3993, 0.2277,
0.2542

■ 43.8138, 0.2423,
0.2702

■ 49.8989, 0.2577,
0.2853

■ 56.6842, 0.2736,
0.2993

■ 64.1978, 0.2895,
0.3122

■ 72.4653, 0.3052,
0.3238

■ 81.5115, 0.3204,
0.3341

Harmonies

Analogous

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



25.8327, 0.1697, 0.2289



25.8327, 0.1934, 0.2039



25.8327, 0.2468, 0.2071

Triad

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



25.8327, 0.1934, 0.2039



25.8327, 0.4716, 0.3374



25.8327, 0.2818, 0.4605

Complementary

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



25.8327, 0.1934, 0.2039



29.2282, 0.5273, 0.4018

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.



25.8327, 0.3624, 0.4871



25.8327, 0.1934, 0.2039



25.8327, 0.4770, 0.3988

Square

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



25.8327, 0.1934, 0.2039



25.8327, 0.4134, 0.2801



25.8327, 0.4342, 0.4559



25.8327, 0.2141, 0.3773

Rectangle

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



25.8327, 0.1934, 0.2039



25.8327, 0.2978, 0.2227



25.8327, 0.4342, 0.4559



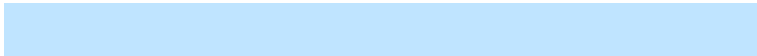
25.8327, 0.3084, 0.4770

Sweetspot

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



25.8335, 0.1934, 0.2039



73.5664, 0.2732, 0.2990



56.5033, 0.2760, 0.4998



15.0566, 0.2676, 0.2942



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.



25.8335, 0.1934, 0.2039



27.5277, 0.1829, 0.1786



8.1986, 0.1612, 0.0843



15.2425, 0.2981, 0.3186



12.6647, 0.1839, 0.1819



1.1196, 0.1904, 0.2054

Inverse Universe

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



19.5011, 0.4388, 0.2295



23.3101, 0.4703, 0.2364



62.9978, 0.4282, 0.4883



14.5048, 0.3204, 0.3157



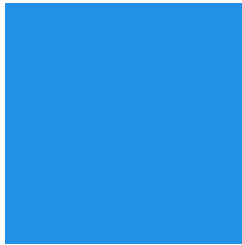
10.4762, 0.4663, 0.2342



0.7927, 0.4392, 0.2193

Previews

White Background



This preview shows how the Yxy color 25.8327, 0.1934, 0.2039 looks on a white background.

Color Contrast Check

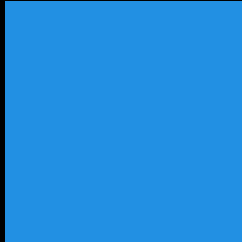
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8327, 0.1934, 0.2039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

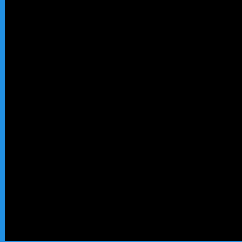
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

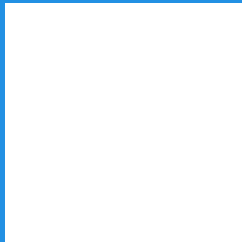
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.8327, 0.1934, 0.2039

Background



This preview shows how black text looks on a background with the Yxy color 25.8327, 0.1934, 0.2039.



This preview shows how white text looks on a background with the Yxy color 25.8327, 0.1934, 0.2039.

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

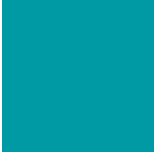
25.8327, 0.1934, 0.2039

Protanopia

25.5066, 0.2220, 0.2067

Deuteranopia

25.7721, 0.2053, 0.1993



Tritanopia

25.8278, 0.2190, 0.3082

Trichromacy



Original Color

25.8327, 0.1934, 0.2039

Protanomaly

25.1564, 0.2074, 0.2039

Deuteranomaly

25.7080, 0.1994, 0.2004

Tritanomaly

25.5217, 0.2074, 0.2628

Monochromacy



Original Color

25.8327, 0.1934, 0.2039

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.3624, 0.2445, 0.2719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8327, 0.1934, 0.2039 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(34, 144, 227)` looks like.

```
.text, #text, p{  
  color:rgb(34, 144, 227)  
}
```

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(34, 144, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 144, 227) }
```

Border

The CSS property to change the border of an element to Yxy 25.8327, 0.1934, 0.2039 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(34, 144, 227) }
```

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

```
.border{ border-color:rgb(34, 144, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 144, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 144, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 144, 227);  
box-shadow:4px 4px 4px 4px rgb(34, 144,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8327, 0.1934, 0.2039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 144, 227) }
```

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

```
.background{ background-color: rgb(34, 144,  
227) }
```

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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