

Converting Colors

$Y_{xy}(24.6308, 0.2138, 0.1929)$

Have a look what the booklet for
Yxy(24.6308, 0.2138, 0.1929)
contains.

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Color

Yxy(24.7579, 0.2136, 0.1932)

Conversions

Conversions Part 1

Format	Color
Hex	6484E3
RGB	100, 132, 227
RGB Percent	39%, 52%, 89%
CMY	0.6079, 0.4823, 0.1098
CMYK	0.56, 0.42, 0.00, 0.11
HSL	225°, 69%, 64%
HSV	225°, 56%, 89%
XYZ	27.3721, 24.7579, 76.0165
YIQ	133.2620, -49.5670, 22.7610

Conversions

Conversions Part 2

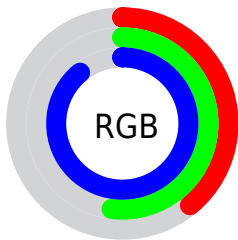
Format	Color
RYB	100, 126, 227
Decimal	6587619
CIELab	56.84, 16.23, -51.84
CIElCh	57, 54.320, 287.381
Yxy	24.7579, 0.2136, 0.1932
Android (android.graphics.Color)	4284777699 (0xFF6484E3)
YUV	133.2620, 46.2128, -29.1708
Hunter-Lab	49.7573, 11.1197, -55.7499

Details

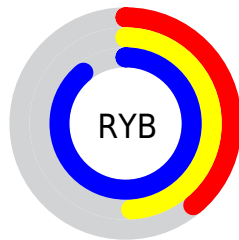
The Yxy color **24.7579, 0.2136, 0.1932** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **56.2845, 0.4119, 0.4334**, and the grayscale version is **23.3979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2889, 0.2479, 0.2458**, and **9.4339, 0.1833, 0.1566** is the 20% darker color. If you saturate the color by 10%, you get **19.4030, 0.1961, 0.1649**, and if you desaturate by 10%, it is **31.2245, 0.2323, 0.2215**.

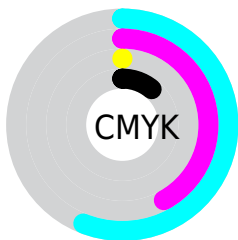
Distribution



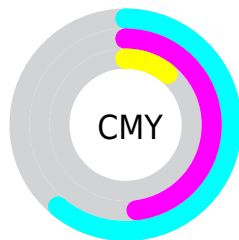
- Red (39%)
- Green (52%)
- Blue (89%)



- Red (39%)
- Yellow (49%)
- Blue (89%)



- Cyan (56%)
- Magenta (42%)
- Yellow (0%)
- Black (11%)



- Cyan (61%)
- Magenta (48%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7579, 0.2136, 0.1932 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 24.7579, 0.2136, 0.1932 by changing the saturation by 10% instead.

■ 24.7579, 0.2136,
0.1932

■ 24.7579, 0.2136,
0.1932

■ 276.6301, 0.2659,
0.2612

■ 15.8968, 0.2003,
0.1770

■ 51.2642, 0.2329,
0.2175

■ 9.4511, 0.1833,
0.1569

■ 69.6782, 0.2401,
0.2268

■ 5.0366, 0.1612,
0.1317

■ 92.0452, 0.2462,
0.2347

■ 2.2687, 0.1320,
0.1003

■ 118.7497, 0.2513,
0.2415

■ 0.7571, 0.0937,
0.0619

■ 150.1760, 0.2557,
0.2474

■ 0.0000, 0.0114,
0.0000

186.7086, 0.2596,

■ 0.0000, 0.0000,

0.2526

0.0000

228.7318, 0.2629,
0.2572

■ 24.7579, 0.2136,
0.1932

■ 24.7579, 0.2136,
0.1932

■ 19.4030, 0.1961,
0.1649

■ 31.2245, 0.2323,
0.2215

■ 15.0904, 0.1809,
0.1379

■ 38.8615, 0.2512,
0.2488

■ 11.7458, 0.1687,
0.1138


■ 47.7259, 0.2697,
0.2741

■ 9.2817, 0.1602,
0.0940


■ 57.8704, 0.2873,
0.2972

■ 8.4933, 0.1576,
0.0872

■ 69.3443, 0.3036,
0.3179

 82.1943, 0.3186,
0.3361

 95.7172, 0.3296,
0.3523

 98.3267, 0.3292,
0.3562

Harmonies

Analogous

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



24.7579, 0.1701, 0.2009



24.7579, 0.2136, 0.1932



24.7579, 0.2888, 0.2121

Triad

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



24.7579, 0.2136, 0.1932



24.7579, 0.4963, 0.3745



24.7579, 0.2318, 0.4248

Complementary

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



24.7579, 0.2136, 0.1932



56.2845, 0.4119, 0.4334

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.



24.7579, 0.3132, 0.4959



24.7579, 0.2136, 0.1932



24.7579, 0.4675, 0.4400

Square

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



24.7579, 0.2136, 0.1932



24.7579, 0.4665, 0.3103



24.7579, 0.3991, 0.4924



24.7579, 0.1772, 0.3204

Rectangle

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



24.7579, 0.2136, 0.1932



24.7579, 0.3521, 0.2375



24.7579, 0.3991, 0.4924



24.7579, 0.2569, 0.4556

Sweetspot

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



24.7587, 0.2136, 0.1932



73.7130, 0.2853, 0.2947



61.5096, 0.2583, 0.3749



15.1853, 0.2818, 0.2901



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.



24.7587, 0.2136, 0.1932



24.3430, 0.1937, 0.1607



19.3767, 0.2262, 0.1589



14.4744, 0.2980, 0.3109



5.1098, 0.1582, 0.0896



0.5231, 0.1660, 0.1174

Inverse Universe

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



27.1120, 0.4370, 0.2933



29.1616, 0.4795, 0.2897



67.7850, 0.3698, 0.4739



14.4273, 0.3253, 0.3231



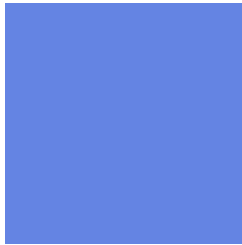
9.7135, 0.5918, 0.3034



0.7325, 0.5504, 0.2806

Previews

White Background



This preview shows how the Yxy color 24.7579, 0.2136, 0.1932 looks on a white background.

Color Contrast Check

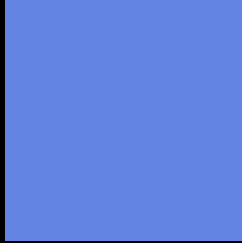
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7579, 0.2136, 0.1932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

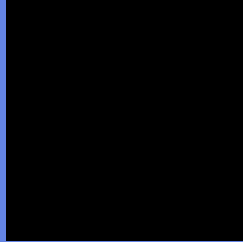
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7579, 0.2136, 0.1932

Background



This preview shows how black text looks on a background with the Yxy color 24.7579, 0.2136, 0.1932.



This preview shows how white text looks on a background with the Yxy color 24.7579, 0.2136, 0.1932.

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

24.7579, 0.2136, 0.1932

Protanopia

24.8633, 0.2112, 0.1930

Deuteranopia

24.9188, 0.2036, 0.1978



Tritanopia

24.8265, 0.2412, 0.3069

Trichromacy



Original Color

24.7579, 0.2136, 0.1932

Protanomaly

24.9179, 0.2118, 0.1932

Deuteranomaly

24.7502, 0.2070, 0.1961

Tritanomaly

24.6457, 0.2293, 0.2581

Monochromacy



Original Color

24.7579, 0.2136, 0.1932

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.6300, 0.2679, 0.2723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7579, 0.2136, 0.1932 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(100, 132, 227)` looks like.

```
.text, #text, p{  
    color:rgb(100, 132, 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(100, 132, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 132, 227) }
```

Border

The CSS property to change the border of an element to Yxy 24.7579, 0.2136, 0.1932 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(100, 132, 227) }
```

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

```
.border{ border-color:rgb(100, 132, 227) }
```

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

Here you see how a box with a 4 pixel rgb(100, 132, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 132, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 132, 227);  
box-shadow:4px 4px 4px 4px rgb(100, 132,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7579, 0.2136, 0.1932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 132, 227) }
```

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

```
.background{ background-color: rgb(100,  
132, 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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