

Converting Colors

$Y_{xy}(35.9598, 0.2461, 0.2519)$

Have a look what the booklet for
Yxy(35.9598, 0.2461, 0.2519)
contains.

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Color

Yxy(36.0816, 0.2462, 0.2530)

Conversions

Conversions Part 1

Format	Color
Hex	83A3DA
RGB	131, 163, 218
RGB Percent	51%, 64%, 85%
CMY	0.4862, 0.3608, 0.1452
CMYK	0.40, 0.25, 0.00, 0.15
HSL	218°, 54%, 68%
HSV	218°, 40%, 85%
XYZ	35.1118, 36.0816, 71.4216
YIQ	159.7020, -36.7270, 10.3210

Conversions

Conversions Part 2

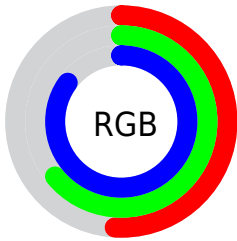
Format	Color
RYB	131, 154, 218
Decimal	8627162
CIELab	66.58, 2.81, -31.39
CIELCh	67, 31.517, 275.107
Yxy	36.0816, 0.2462, 0.2530
Android (android.graphics.Color)	4286817242 (0xFF83A3DA)
YUV	159.7020, 28.7409, -25.1717
Hunter-Lab	60.0680, -0.7795, -28.4490

Details

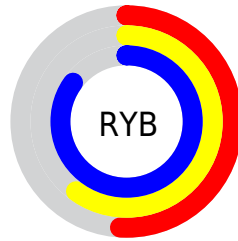
The Yxy color **36.0816, 0.2462, 0.2530** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.6570, 0.3859, 0.3943**, and the grayscale version is **34.8904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9276, 0.2697, 0.2879**, and **15.8105, 0.2269, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **29.8910, 0.2287, 0.2296**, and if you desaturate by 10%, it is **43.1743, 0.2638, 0.2749**.

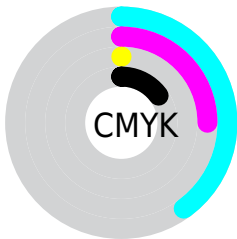
Distribution



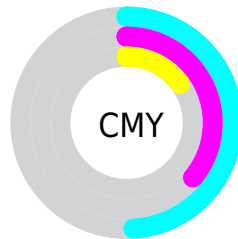
- Red (51%)
- Green (64%)
- Blue (85%)



- Red (51%)
- Yellow (60%)
- Blue (85%)



- Cyan (40%)
- Magenta (25%)
- Yellow (0%)
- Black (15%)



- Cyan (49%)
- Magenta (36%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0816, 0.2462, 0.2530 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 36.0816, 0.2462, 0.2530 by changing the saturation by 10% instead.

■ 36.0816, 0.2462,
0.2530

■ 36.0816, 0.2462,
0.2530

329.3171, 0.2801,
0.2913

■ 24.4972, 0.2377,
0.2435

■ 69.1580, 0.2586,
0.2669

■ 15.7029, 0.2268,
0.2313

■ 91.4188, 0.2632,
0.2722

■ 9.3141, 0.2124,
0.2154

■ 118.0072, 0.2671,
0.2766

■ 4.9466, 0.1927,
0.1937

149.3076, 0.2705,
0.2804

■ 2.2160, 0.1645,
0.1631

185.7044, 0.2733,
0.2837

■ 0.7287, 0.1223,
0.1171

227.5820, 0.2759,

■ 0.0000, 0.0000,

0.2866

0.0000

275.3247, 0.2781,
0.2891

■ 36.0816, 0.2462,
0.2530

■ 36.0816, 0.2462,
0.2530

■ 29.8910, 0.2287,
0.2296

■ 43.1743, 0.2638,
0.2749

■ 24.5584, 0.2119,
0.2053

■ 51.2025, 0.2810,
0.2949

■ 20.0413, 0.1966,
0.1808

■ 60.2026, 0.2974,
0.3130

■ 16.2915, 0.1834,
0.1570

■ 70.2077, 0.3129,
0.3292

■ 13.2538, 0.1730,
0.1349

■ 81.2493, 0.3273,
0.3434

■ 10.8454, 0.1654,
0.1154

■ 92.0426, 0.3359,
0.3563

■ 10.8207, 0.1653,
0.1152

■ 97.8403, 0.3346,
0.3651

Harmonies

Analogous

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



36.0816, 0.2272, 0.2679



36.0816, 0.2462, 0.2530



36.0816, 0.2831, 0.2566

Triad

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



36.0816, 0.2462, 0.2530



36.0816, 0.4048, 0.3453



36.0816, 0.2898, 0.3920

Complementary

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



36.0816, 0.2462, 0.2530



51.6570, 0.3859, 0.3943

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.



36.0816, 0.3371, 0.4148



36.0816, 0.2462, 0.2530



36.0816, 0.4054, 0.3822

Square

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



36.0816, 0.2462, 0.2530



36.0816, 0.3768, 0.3076



36.0816, 0.3798, 0.4092



36.0816, 0.2506, 0.3478

Rectangle

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



36.0816, 0.2462, 0.2530



36.0816, 0.3145, 0.2681



36.0816, 0.3798, 0.4092



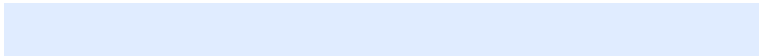
36.0816, 0.3052, 0.4027

Sweetspot

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



36.0830, 0.2462, 0.2530



82.9226, 0.2939, 0.3092



58.4421, 0.2761, 0.3739



17.3782, 0.2917, 0.3069



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.



36.0830, 0.2462, 0.2530



43.8607, 0.2312, 0.2331



26.9789, 0.2472, 0.2098



13.3975, 0.2981, 0.3138



6.6732, 0.1661, 0.1179



0.5936, 0.1752, 0.1508

Inverse Universe

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



33.7857, 0.3752, 0.2905



41.1245, 0.3956, 0.2826



65.1510, 0.3640, 0.4302



13.1303, 0.3234, 0.3204



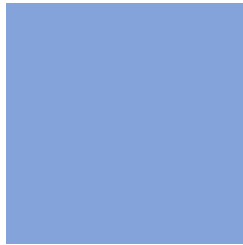
9.2974, 0.5496, 0.2801



0.6186, 0.5048, 0.2555

Previews

White Background



This preview shows how the Yxy color 36.0816, 0.2462, 0.2530 looks on a white background.

Color Contrast Check

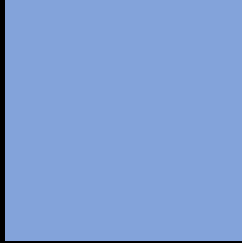
Large Text (above 18pt) WCAG AA × Fail

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 36.0816, 0.2462, 0.2530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

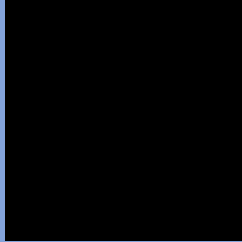
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

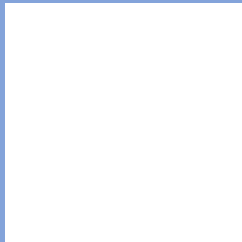
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.0816, 0.2462, 0.2530

Background



This preview shows how black text looks on a background with the Yxy color 36.0816, 0.2462, 0.2530.



This preview shows how white text looks on a background with the Yxy color 36.0816, 0.2462, 0.2530.

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

36.0816, 0.2462, 0.2530

Protanopia

35.8136, 0.2579, 0.2529

Deuteranopia

35.9305, 0.2546, 0.2481



Tritanopia

35.9324, 0.2633, 0.3076

Trichromacy



Original Color

36.0816, 0.2462, 0.2530

Protanomaly

35.7622, 0.2537, 0.2524

Deuteranomaly

35.8315, 0.2511, 0.2488

Tritanomaly

35.9829, 0.2565, 0.2863

Monochromacy



Original Color

36.0816, 0.2462, 0.2530

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.2155, 0.2851, 0.2998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0816, 0.2462, 0.2530 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(131, 163, 218)` looks like.

```
.text, #text, p{  
    color:rgb(131, 163, 218)  
}
```

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(131, 163, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 163, 218) }
```

Border

The CSS property to change the border of an element to Yxy 36.0816, 0.2462, 0.2530 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(131, 163, 218) }
```

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

```
.border{ border-color:rgb(131, 163, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 163, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 163, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 163, 218);  
box-shadow:4px 4px 4px 4px rgb(131, 163,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0816, 0.2462, 0.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 163, 218) }
```

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

```
.background{ background-color: rgb(131,  
163, 218) }
```

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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