

Converting Colors

$Y_{xy}(35.1359, 0.2432, 0.2406)$

Have a look what the booklet for
Yxy(35.1359, 0.2432, 0.2406)
contains.

Yxy(35.1646, 0.2431, 0.2406)	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(35.1646, 0.2431, 0.2406)

Conversions

Conversions Part 1

Format	Color
Hex	859FE0
RGB	133, 159, 224
RGB Percent	52%, 62%, 88%
CMY	0.4784, 0.3765, 0.1214
CMYK	0.41, 0.29, 0.00, 0.12
HSL	223°, 60%, 70%
HSV	223°, 41%, 88%
XYZ	35.5300, 35.1646, 75.4592
YIQ	158.6360, -36.3610, 14.7030

Conversions

Conversions Part 2

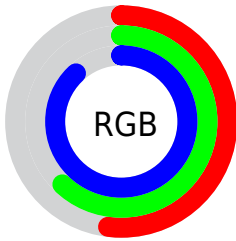
Format	Color
RYB	133, 153, 224
Decimal	8757216
CIELab	65.88, 7.27, -35.82
CIElCh	66, 36.552, 281.465
Yxy	35.1646, 0.2431, 0.2406
Android (android.graphics.Color)	4286947296 (0xFF859FE0)
YUV	158.6360, 32.2245, -22.4828
Hunter-Lab	59.2997, 3.1753, -33.9370

Details

The Yxy color **35.1646, 0.2431, 0.2406** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **57.9574, 0.3843, 0.4035**, and the grayscale version is **34.3608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6273, 0.2703, 0.2824**, and **15.1720, 0.2228, 0.2171** is the 20% darker color. If you saturate the color by 10%, you get **28.3790, 0.2246, 0.2140**, and if you desaturate by 10%, it is **43.0547, 0.2615, 0.2657**.

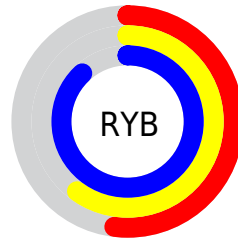
Distribution



Red (52%)

Green (62%)

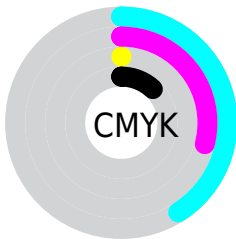
Blue (88%)



Red (52%)

Yellow (60%)

Blue (88%)

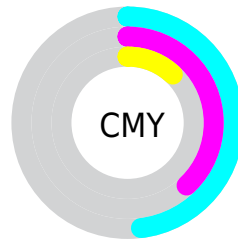


Cyan (41%)

Magenta (29%)

Yellow (0%)

Black (12%)



Cyan (48%)

Magenta (38%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.1646, 0.2431, 0.2406 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 35.1646, 0.2431, 0.2406 by changing the saturation by 10% instead.

■ 35.1646, 0.2431,
0.2406

■ 35.1646, 0.2431,
0.2406

■ 325.2943, 0.2787,
0.2847

■ 23.7897, 0.2342,
0.2298

■ 67.7407, 0.2561,
0.2565

■ 15.1777, 0.2227,
0.2162

■ 89.7106, 0.2610,
0.2625

■ 8.9442, 0.2077,
0.1985

■ 115.9811, 0.2651,
0.2676

■ 4.7048, 0.1872,
0.1749

■ 146.9364, 0.2686,
0.2720

■ 2.0751, 0.1581,
0.1425

■ 182.9610, 0.2716,
0.2758

■ 0.6506, 0.1160,
0.0948

■ 224.4392, 0.2743,

■ 0.0000, 0.0000,

0.2792

0.0000

271.7555, 0.2766,
0.2821

■ 35.1646, 0.2431,
0.2406

■ 35.1646, 0.2431,
0.2406

■ 28.3790, 0.2246,
0.2140

■ 43.0547, 0.2615,
0.2657

■ 22.6419, 0.2068,
0.1866

■ 52.0937, 0.2794,
0.2887

■ 17.8978, 0.1906,
0.1596

■ 62.3286, 0.2962,
0.3095

■ 14.0838, 0.1769,
0.1342

■ 73.8020, 0.3118,
0.3279

■ 11.1287, 0.1664,
0.1118

■ 86.5548, 0.3261,
0.3442

■ 9.0454, 0.1596,
0.0944

■ 98.1637, 0.3309,
0.3591

Harmonies

Analogous

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



35.1646, 0.2169, 0.2523



35.1646, 0.2431, 0.2406



35.1646, 0.2890, 0.2492

Triad

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



35.1646, 0.2431, 0.2406



35.1646, 0.4235, 0.3560



35.1646, 0.2746, 0.3939

Complementary

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



35.1646, 0.2431, 0.2406



57.9574, 0.3843, 0.4035

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.



35.1646, 0.3285, 0.4277



35.1646, 0.2431, 0.2406



35.1646, 0.4165, 0.3976

Square

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



35.1646, 0.2431, 0.2406



35.1646, 0.3970, 0.3126



35.1646, 0.3807, 0.4264



35.1646, 0.2333, 0.3384

Rectangle

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



35.1646, 0.2431, 0.2406



35.1646, 0.3266, 0.2646



35.1646, 0.3807, 0.4264



35.1646, 0.2918, 0.4087

Sweetspot

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



35.1659, 0.2431, 0.2406



81.4858, 0.2938, 0.3066



62.3357, 0.2713, 0.3646



17.0415, 0.2916, 0.3039



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.



35.1659, 0.2431, 0.2406



39.1403, 0.2269, 0.2174



28.7619, 0.2517, 0.2089



13.8774, 0.2981, 0.3118



5.4334, 0.1603, 0.0970



0.5267, 0.1687, 0.1274

Inverse Universe

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



35.1340, 0.3856, 0.2985



39.9815, 0.4101, 0.2923



68.1206, 0.3591, 0.4344



13.7646, 0.3247, 0.3223



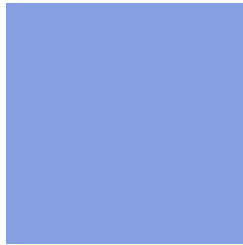
9.4565, 0.5805, 0.2971



0.6706, 0.5363, 0.2728

Previews

White Background



This preview shows how the Yxy color 35.1646, 0.2431, 0.2406 looks on a white background.

Color Contrast Check

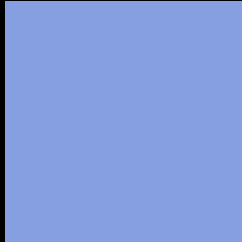
Large Text (above 18pt) WCAG AA × Fail

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 35.1646, 0.2431, 0.2406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

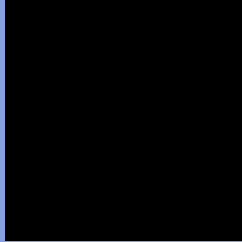
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.1646, 0.2431, 0.2406

Background



This preview shows how black text looks on a background with the Yxy color 35.1646, 0.2431, 0.2406.



This preview shows how white text looks on a background with the Yxy color 35.1646, 0.2431, 0.2406.

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

35.1646, 0.2431, 0.2406

Protanopia

35.0171, 0.2481, 0.2401

Deuteranopia

35.1539, 0.2456, 0.2399



Tritanopia

35.1112, 0.2643, 0.3075

Trichromacy



Original Color

35.1646, 0.2431, 0.2406

Protanomaly

35.0998, 0.2462, 0.2410

Deuteranomaly

35.0698, 0.2449, 0.2397

Tritanomaly

35.0178, 0.2559, 0.2804

Monochromacy



Original Color

35.1646, 0.2431, 0.2406

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.6992, 0.2842, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1646, 0.2431, 0.2406 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(133, 159, 224)` looks like.

```
.text, #text, p{  
    color:rgb(133, 159, 224)  
}
```

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(133, 159, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 159, 224) }
```

Border

The CSS property to change the border of an element to Yxy 35.1646, 0.2431, 0.2406 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(133, 159, 224) }
```

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

```
.border{ border-color:rgb(133, 159, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 159, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 159, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 159, 224);  
box-shadow:4px 4px 4px 4px rgb(133, 159,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1646, 0.2431, 0.2406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 159, 224) }
```

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

```
.background{ background-color: rgb(133,  
159, 224) }
```

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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