

Converting Colors

$Y_{xy}(35.3409, 0.2556, 0.2500)$

Have a look what the booklet for
Yxy(35.3409, 0.2556, 0.2500)
contains.

Yxy(35.3409, 0.2556, 0.2500)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.3409, 0.2556, 0.2500)

Conversions

Conversions Part 1

Format	Color
Hex	909ED8
RGB	144, 158, 216
RGB Percent	56%, 62%, 85%
CMY	0.4350, 0.3805, 0.1529
CMYK	0.33, 0.27, 0.00, 0.15
HSL	228°, 48%, 71%
HSV	228°, 33%, 85%
XYZ	36.1325, 35.3409, 69.8902
YIQ	160.4260, -26.9620, 15.0700

Conversions

Conversions Part 2

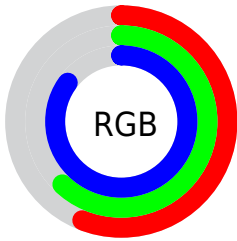
Format	Color
RYB	144, 156, 216
Decimal	9477848
CIELab	66.01, 8.70, -31.12
CIELCh	66, 32.315, 285.621
Yxy	35.3409, 0.2556, 0.2500
Android (android.graphics.Color)	4287667928 (0xFF909ED8)
YUV	160.4260, 27.3980, -14.4056
Hunter-Lab	59.4482, 4.4577, -28.0904

Details

The Yxy color **35.3409, 0.2556, 0.2500** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **58.9017, 0.3675, 0.3971**, and the grayscale version is **35.2466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4491, 0.2765, 0.2820**, and **15.3127, 0.2384, 0.2280** is the 20% darker color. If you saturate the color by 10%, you get **28.0510, 0.2362, 0.2212**, and if you desaturate by 10%, it is **43.8483, 0.2743, 0.2767**.

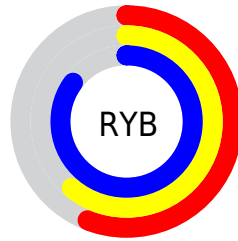
Distribution



Red (56%)

Green (62%)

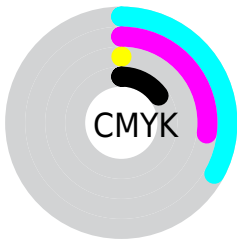
Blue (85%)



Red (56%)

Yellow (61%)

Blue (85%)

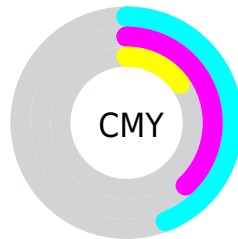


Cyan (33%)

Magenta (27%)

Yellow (0%)

Black (15%)



Cyan (44%)

Magenta (38%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.3409, 0.2556, 0.2500 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 35.3409, 0.2556, 0.2500 by changing the saturation by 10% instead.

■ 35.3409, 0.2556,
0.2500

■ 35.3409, 0.2556,
0.2500

■ 326.0705, 0.2851,
0.2896

■ 23.9256, 0.2481,
0.2402

■ 68.0135, 0.2665,
0.2643

■ 15.2784, 0.2384,
0.2278

■ 90.0397, 0.2705,
0.2697

■ 9.0150, 0.2254,
0.2116

■ 116.3715, 0.2739,
0.2743

■ 4.7510, 0.2074,
0.1895

■ 147.3935, 0.2768,
0.2782

■ 2.1019, 0.1811,
0.1586

■ 183.4900, 0.2793,
0.2816

■ 0.6657, 0.1409,
0.1110

■ 225.0454, 0.2814,

■ 0.0000, 0.0000,

0.2846

0.0000

272.4441, 0.2834,
0.2873

■ 35.3409, 0.2556,
0.2500

■ 35.3409, 0.2556,
0.2500

■ 28.0510, 0.2362,
0.2212

■ 43.8483, 0.2743,
0.2767

■ 21.9180, 0.2167,
0.1912

■ 53.6219, 0.2918,
0.3009

■ 16.8819, 0.1982,
0.1611

■ 64.7126, 0.3078,
0.3225

■ 12.8759, 0.1817,
0.1327

■ 77.1675, 0.3222,
0.3414

■ 9.8249, 0.1684,
0.1077

■ 91.0310, 0.3352,
0.3579

■ 7.6430, 0.1591,
0.0876

■ 97.7385, 0.3357,
0.3671

■ 6.5993, 0.1548,
0.0773

Harmonies

Analogous

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



35.3409, 0.2292, 0.2583



35.3409, 0.2556, 0.2500



35.3409, 0.2986, 0.2599

Triad

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



35.3409, 0.2556, 0.2500



35.3409, 0.4114, 0.3594



35.3409, 0.2733, 0.3797

Complementary

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



35.3409, 0.2556, 0.2500



58.9017, 0.3675, 0.3971

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.



35.3409, 0.3205, 0.4129



35.3409, 0.2556, 0.2500



35.3409, 0.4017, 0.3952

Square

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



35.3409, 0.2556, 0.2500



35.3409, 0.3919, 0.3201



35.3409, 0.3677, 0.4169



35.3409, 0.2384, 0.3308

Rectangle

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



35.3409, 0.2556, 0.2500



35.3409, 0.3324, 0.2751



35.3409, 0.3677, 0.4169



35.3409, 0.2882, 0.3935

Sweetspot

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



35.3423, 0.2556, 0.2500



83.0528, 0.2971, 0.3081



59.2995, 0.2736, 0.3476



17.3012, 0.2947, 0.3050



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.



35.3423, 0.2556, 0.2500



43.7766, 0.2419, 0.2298



32.9946, 0.2710, 0.2351



12.3937, 0.2982, 0.3096



4.0251, 0.1554, 0.0794



0.3590, 0.1640, 0.1104

Inverse Universe

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



37.0356, 0.3748, 0.3121



47.0492, 0.3944, 0.3085



62.6595, 0.3455, 0.4167



12.4597, 0.3261, 0.3245



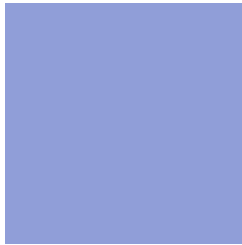
8.7512, 0.6080, 0.3123



0.5396, 0.5605, 0.2861

Previews

White Background



This preview shows how the Yxy color 35.3409, 0.2556, 0.2500 looks on a white background.

Color Contrast Check

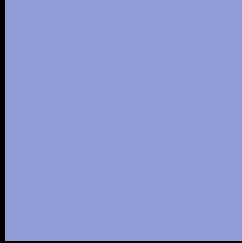
Large Text (above 18pt) WCAG AA × Fail

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 35.3409, 0.2556, 0.2500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

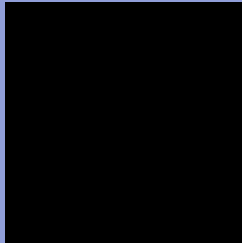
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

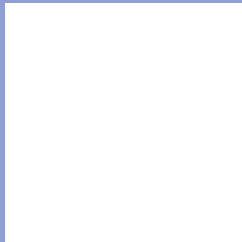
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3409, 0.2556, 0.2500

Background



This preview shows how black text looks on a background with the Yxy color 35.3409, 0.2556, 0.2500.



This preview shows how white text looks on a background with the Yxy color 35.3409, 0.2556, 0.2500.

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

35.3409, 0.2556, 0.2500

Protanopia

35.3409, 0.2556, 0.2500

Deuteranopia

35.3409, 0.2556, 0.2500



Tritanopia

35.3589, 0.2769, 0.3094

Trichromacy



Original Color

35.3409, 0.2556, 0.2500

Protanomaly

35.3409, 0.2556, 0.2500

Deuteranomaly

35.3409, 0.2556, 0.2500

Tritanomaly

35.1354, 0.2687, 0.2854

Monochromacy



Original Color

35.3409, 0.2556, 0.2500

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.9616, 0.2901, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3409, 0.2556, 0.2500 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(144, 158, 216)` looks like.

```
.text, #text, p{  
    color:rgb(144, 158, 216)  
}
```

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(144, 158, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 158, 216) }
```

Border

The CSS property to change the border of an element to Yxy 35.3409, 0.2556, 0.2500 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(144, 158, 216) }
```

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

```
.border{ border-color:rgb(144, 158, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 158, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 158, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 158, 216);  
box-shadow:4px 4px 4px 4px rgb(144, 158,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3409, 0.2556, 0.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 158, 216) }
```

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

```
.background{ background-color: rgb(144,  
158, 216) }
```

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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