

Converting Colors

$Y_{xy}(35.0252, 0.2372, 0.2512)$

Have a look what the booklet for
Yxy(35.0252, 0.2372, 0.2512)
contains.

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Color

Yxy(35.0382, 0.2372, 0.2512)

Conversions

Conversions Part 1

Format	Color
Hex	75A3DA
RGB	117, 163, 218
RGB Percent	46%, 64%, 85%
CMY	0.5413, 0.3608, 0.1450
CMYK	0.46, 0.25, 0.00, 0.15
HSL	213°, 58%, 66%
HSV	213°, 46%, 85%
XYZ	33.0854, 35.0382, 71.3596
YIQ	155.5160, -45.0710, 7.3530

Conversions

Conversions Part 2

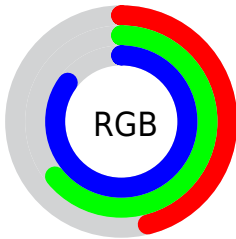
Format	Color
RYB	117, 149, 218
Decimal	7709658
CIELab	65.78, -0.77, -32.73
CIElCh	66, 32.736, 268.655
Yxy	35.0382, 0.2372, 0.2512
Android (android.graphics.Color)	4285899738 (0xFF75A3DA)
YUV	155.5160, 30.8046, -33.7785
Hunter-Lab	59.1931, -3.8169, -30.0413

Details

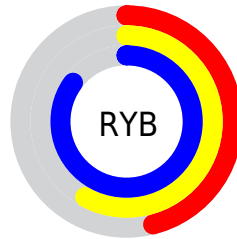
The Yxy color **35.0382, 0.2372, 0.2512** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.6845, 0.4050, 0.3948**, and the grayscale version is **32.8920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2470, 0.2615, 0.2870**, and **15.2248, 0.2158, 0.2293** is the 20% darker color. If you saturate the color by 10%, you get **29.6830, 0.2212, 0.2306**, and if you desaturate by 10%, it is **41.1431, 0.2538, 0.2707**.

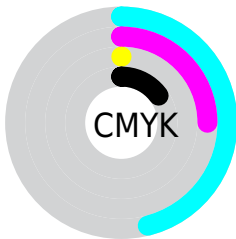
Distribution



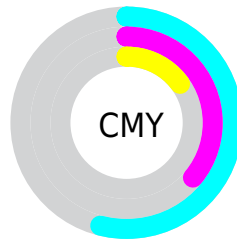
- Red (46%)
- Green (64%)
- Blue (85%)



- Red (46%)
- Yellow (58%)
- Blue (85%)



- Cyan (46%)
- Magenta (25%)
- Yellow (0%)
- Black (15%)



- Cyan (54%)
- Magenta (36%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0382, 0.2372, 0.2512 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 35.0382, 0.2372, 0.2512 by changing the saturation by 10% instead.

■ 35.0382, 0.2372,
0.2512

■ 35.0382, 0.2372,
0.2512

■ 324.7369, 0.2755,
0.2908

■ 23.6923, 0.2276,
0.2413

■ 67.5449, 0.2512,
0.2657

■ 15.1055, 0.2154,
0.2286

■ 89.4746, 0.2564,
0.2711

■ 8.8935, 0.1993,
0.2119

■ 115.7009, 0.2608,
0.2757

■ 4.6718, 0.1775,
0.1891

■ 146.6083, 0.2646,
0.2796

■ 2.0560, 0.1467,
0.1569

■ 182.5813, 0.2679,
0.2829

■ 0.6397, 0.0990,
0.1075

■ 224.0041, 0.2708,

■ 0.0000, 0.0000,

0.2859

0.0000

271.2612, 0.2733,
0.2885

■ 35.0382, 0.2372,
0.2512

■ 35.0382, 0.2372,
0.2512

■ 29.6830, 0.2212,
0.2306

■ 41.1431, 0.2538,
0.2707

■ 25.0380, 0.2065,
0.2093

■ 48.0265, 0.2706,
0.2889

■ 21.0652, 0.1936,
0.1880

■ 55.7204, 0.2871,
0.3054

■ 17.7200, 0.1831,
0.1674

■ 64.2534, 0.3030,
0.3204

■ 14.9489, 0.1751,
0.1481

■ 73.6527, 0.3181,
0.3337

■ 14.0517, 0.1726,
0.1414

■ 83.9441, 0.3324,
0.3454

■ 92.2830, 0.3358,
0.3567

■ 97.8428, 0.3345,
0.3651

Harmonies

Analogous

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



35.0382, 0.2219, 0.2708



35.0382, 0.2372, 0.2512



35.0382, 0.2720, 0.2511

Triad

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



35.0382, 0.2372, 0.2512



35.0382, 0.4053, 0.3371



35.0382, 0.2989, 0.4029

Complementary

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



35.0382, 0.2372, 0.2512



45.6845, 0.4050, 0.3948

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.



35.0382, 0.3485, 0.4204



35.0382, 0.2372, 0.2512



35.0382, 0.4123, 0.3765

Square

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



35.0382, 0.2372, 0.2512



35.0382, 0.3706, 0.2988



35.0382, 0.3905, 0.4082



35.0382, 0.2552, 0.3596

Rectangle

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



35.0382, 0.2372, 0.2512



35.0382, 0.3035, 0.2608



35.0382, 0.3905, 0.4082



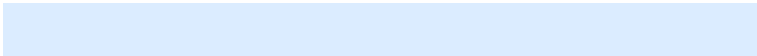
35.0382, 0.3154, 0.4122

Sweetspot

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



35.0395, 0.2372, 0.2512



82.0687, 0.2907, 0.3089



56.8654, 0.2761, 0.3950



17.0209, 0.2872, 0.3055



0.0000, 0.0000, 0.0000



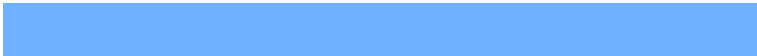
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.0395, 0.2372, 0.2512



42.2288, 0.2210, 0.2303



21.7929, 0.2277, 0.1851



13.5897, 0.2982, 0.3159



8.6265, 0.1734, 0.1441



0.7297, 0.1820, 0.1753

Inverse Universe

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



30.2660, 0.3793, 0.2740



36.0776, 0.4019, 0.2635



65.8287, 0.3782, 0.4430



13.1497, 0.3221, 0.3184



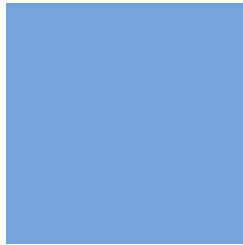
9.4946, 0.5136, 0.2603



0.6324, 0.4742, 0.2386

Previews

White Background



This preview shows how the Yxy color 35.0382, 0.2372, 0.2512 looks on a white background.

Color Contrast Check

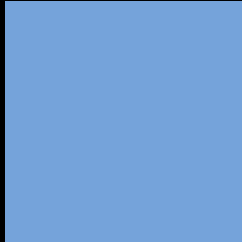
Large Text (above 18pt) WCAG AA × Fail

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 35.0382, 0.2372, 0.2512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

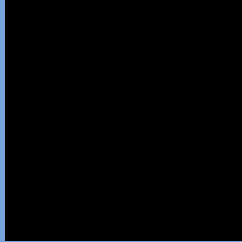
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

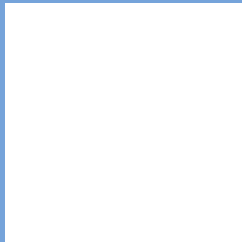
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.0382, 0.2372, 0.2512

Background



This preview shows how black text looks on a background with the Yxy color 35.0382, 0.2372, 0.2512.

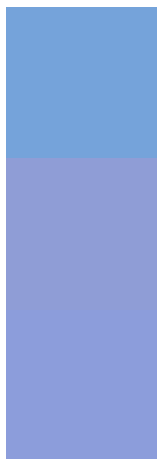


This preview shows how white text looks on a background with the Yxy color 35.0382, 0.2372, 0.2512.

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

35.0382, 0.2372, 0.2512

Protanopia

34.8086, 0.2559, 0.2508

Deuteranopia

34.8039, 0.2506, 0.2445



Tritanopia

34.9206, 0.2532, 0.3070

Trichromacy



Original Color

35.0382, 0.2372, 0.2512

Protanomaly

34.7709, 0.2492, 0.2511

Deuteranomaly

34.8163, 0.2454, 0.2462

Tritanomaly

35.0025, 0.2472, 0.2852

Monochromacy



Original Color

35.0382, 0.2372, 0.2512

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.8017, 0.2805, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0382, 0.2372, 0.2512 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(117, 163, 218)` looks like.

```
.text, #text, p{  
    color:rgb(117, 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(117, 163, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 163, 218) }
```

Border

The CSS property to change the border of an element to Yxy 35.0382, 0.2372, 0.2512 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(117, 163, 218) }
```

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

```
.border{ border-color:rgb(117, 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(117, 163, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 163, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 163, 218);  
box-shadow:4px 4px 4px 4px rgb(117, 163,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0382, 0.2372, 0.2512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 163, 218) }
```

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

```
.background{ background-color: rgb(117,  
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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