

Converting Colors

$Yxy(35.8717, 0.2366, 0.2472)$

Have a look what the booklet for
Yxy(35.8717, 0.2366, 0.2472)
contains.

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Color

Yxy(35.8717, 0.2366, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	78A4DF
RGB	120, 164, 223
RGB Percent	47%, 64%, 87%
CMY	0.5295, 0.3568, 0.1256
CMYK	0.46, 0.26, 0.00, 0.13
HSL	214°, 62%, 67%
HSV	214°, 46%, 87%
XYZ	34.3335, 35.8717, 74.9068
YIQ	157.5700, -45.1630, 9.0210

Conversions

Conversions Part 2

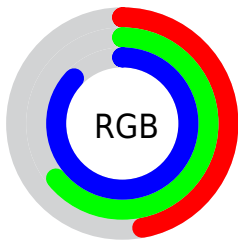
Format	Color
R _Y B	120, 151, 223
Decimal	7906527
CIE Lab	66.42, 0.83, -34.45
CIE LCh	66, 34.460, 271.374
Yxy	35.8717, 0.2366, 0.2472
Android (android.graphics.Color)	4286096607 (0xFF78A4DF)
YUV	157.5700, 32.2570, -32.9489
Hunter-Lab	59.8930, -2.4880, -32.2276

Details

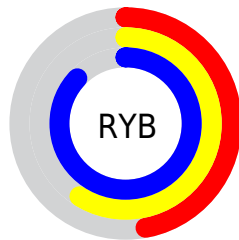
The Yxy color **35.8717, 0.2366, 0.2472** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **49.2490, 0.4032, 0.3978**, and the grayscale version is **33.8516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1131, 0.2633, 0.2884**, and **15.6942, 0.2146, 0.2242** is the 20% darker color. If you saturate the color by 10%, you get **30.1190, 0.2202, 0.2254**, and if you desaturate by 10%, it is **42.4566, 0.2536, 0.2678**.

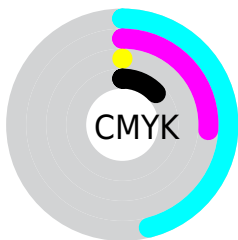
Distribution



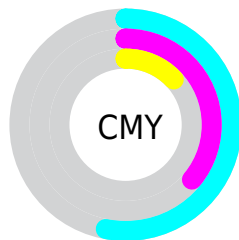
- Red (47%)
- Green (64%)
- Blue (87%)



- Red (47%)
- Yellow (59%)
- Blue (87%)



- Cyan (46%)
- Magenta (26%)
- Yellow (0%)
- Black (13%)



- Cyan (53%)
- Magenta (36%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8717, 0.2366, 0.2472 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 35.8717, 0.2366, 0.2472 by changing the saturation by 10% instead.

■ 35.8717, 0.2366,
0.2472

■ 35.8717, 0.2366,
0.2472

■ 328.3994, 0.2751,
0.2885

■ 24.3351, 0.2270,
0.2370

■ 68.8340, 0.2506,
0.2622

■ 15.5824, 0.2149,
0.2240

■ 91.0285, 0.2558,
0.2678

■ 9.2291, 0.1990,
0.2071

■ 117.5444, 0.2603,
0.2726

■ 4.8909, 0.1775,
0.1842

■ 148.7662, 0.2641,
0.2767

■ 2.1834, 0.1474,
0.1523

■ 185.0782, 0.2674,
0.2802

■ 0.7109, 0.1035,
0.1057

■ 226.8648, 0.2703,

■ 0.0000, 0.0000,

0.2833

0.0000

274.5104, 0.2728,
0.2860

■ 35.8717, 0.2366,
0.2472

■ 35.8717, 0.2366,
0.2472

■ 30.1190, 0.2202,
0.2254

■ 42.4566, 0.2536,
0.2678

■ 25.1549, 0.2051,
0.2031

■ 49.9063, 0.2706,
0.2870

■ 20.9372, 0.1918,
0.1808

■ 58.2560, 0.2872,
0.3044

■ 17.4165, 0.1809,
0.1593

■ 67.5379, 0.3032,
0.3201

■ 14.5342, 0.1728,
0.1395

■ 77.7821, 0.3184,
0.3341

■ 13.5737, 0.1701,
0.1324

■ 89.0176, 0.3325,
0.3465

■ 97.0590, 0.3318,
0.3586

■ 98.1063, 0.3316,
0.3602

Harmonies

Analogous

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



35.8717, 0.2188, 0.2655



35.8717, 0.2366, 0.2472



35.8717, 0.2743, 0.2490

Triad

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



35.8717, 0.2366, 0.2472



35.8717, 0.4114, 0.3409



35.8717, 0.2935, 0.4033

Complementary

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



35.8717, 0.2366, 0.2472



49.2490, 0.4032, 0.3978

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.



35.8717, 0.3453, 0.4244



35.8717, 0.2366, 0.2472



35.8717, 0.4157, 0.3816

Square

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



35.8717, 0.2366, 0.2472



35.8717, 0.3774, 0.3008



35.8717, 0.3905, 0.4137



35.8717, 0.2493, 0.3561

Rectangle

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



35.8717, 0.2366, 0.2472



35.8717, 0.3077, 0.2601



35.8717, 0.3905, 0.4137



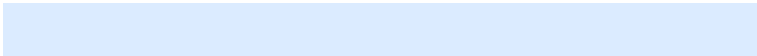
35.8717, 0.3106, 0.4139

Sweetspot

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



35.8730, 0.2366, 0.2472



81.4952, 0.2906, 0.3079



59.9796, 0.2743, 0.3899



16.8817, 0.2871, 0.3043



0.0000, 0.0000, 0.0000



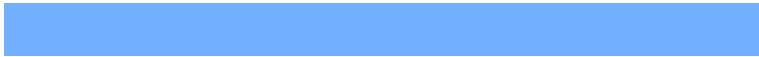
21.4041, 0.3127, 0.3290

Same Dimension

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



35.8730, 0.2366, 0.2472



41.4007, 0.2215, 0.2272



23.2503, 0.2305, 0.1863



14.2022, 0.2981, 0.3152



8.1975, 0.1709, 0.1352



0.7432, 0.1793, 0.1653

Inverse Universe

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



31.7894, 0.3826, 0.2774



36.5489, 0.4043, 0.2684



68.7314, 0.3754, 0.4440



13.7973, 0.3225, 0.3190



9.7356, 0.5256, 0.2669



0.6925, 0.4864, 0.2453

Previews

White Background



This preview shows how the Yxy color 35.8717, 0.2366, 0.2472 looks on a white background.

Color Contrast Check

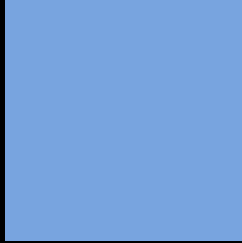
Large Text (above 18pt) WCAG AA × Fail

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 35.8717, 0.2366, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

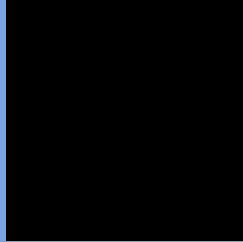
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

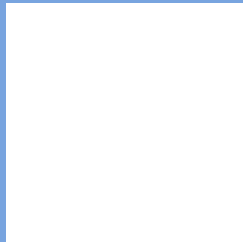
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8717, 0.2366, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 35.8717, 0.2366, 0.2472.

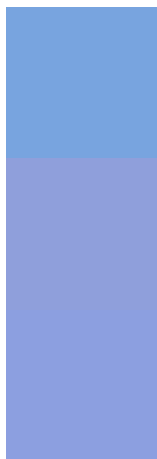


This preview shows how white text looks on a background with the Yxy color 35.8717, 0.2366, 0.2472.

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

35.8717, 0.2366, 0.2472

Protanopia

35.7504, 0.2531, 0.2478

Deuteranopia

35.7535, 0.2479, 0.2417



Tritanopia

35.8798, 0.2537, 0.3073

Trichromacy



Original Color

35.8717, 0.2366, 0.2472

Protanomaly

35.8079, 0.2473, 0.2483

Deuteranomaly

35.8581, 0.2436, 0.2435

Tritanomaly

35.6395, 0.2469, 0.2828

Monochromacy



Original Color

35.8717, 0.2366, 0.2472

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.4483, 0.2799, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8717, 0.2366, 0.2472 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(120, 164, 223)` looks like.

```
.text, #text, p{  
    color:rgb(120, 164, 223)  
}
```

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(120, 164, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 164, 223) }
```

Border

The CSS property to change the border of an element to Yxy 35.8717, 0.2366, 0.2472 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(120, 164, 223) }
```

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

```
.border{ border-color:rgb(120, 164, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 164, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 164, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 164, 223);  
box-shadow:4px 4px 4px 4px rgb(120, 164,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8717, 0.2366, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 164, 223) }
```

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

```
.background{ background-color: rgb(120,  
164, 223) }
```

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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