

Converting Colors

$Y_{xy}(35.9515, 0.2428, 0.2737)$

Have a look what the booklet for
Yxy(35.9515, 0.2428, 0.2737)
contains.

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Color

Yxy(35.9722, 0.2428, 0.2734)

Conversions

Conversions Part 1

Format	Color
Hex	71A8CE
RGB	113, 168, 206
RGB Percent	44%, 66%, 81%
CMY	0.5572, 0.3411, 0.1921
CMYK	0.45, 0.18, 0.00, 0.19
HSL	204°, 49%, 63%
HSV	204°, 45%, 81%
XYZ	31.9461, 35.9722, 63.6553
YIQ	155.8870, -44.9780, 0.1580

Conversions

Conversions Part 2

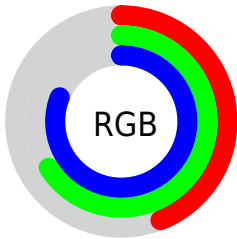
Format	Color
R _Y B	113, 148, 206
Decimal	7448782
CIE Lab	66.50, -7.96, -24.99
CIE LCh	66, 26.230, 252.339
Yxy	35.9722, 0.2428, 0.2734
Android (android.graphics.Color)	4285638862 (0xFF71A8CE)
YUV	155.8870, 24.7057, -37.6119
Hunter-Lab	59.9768, -9.8832, -20.9425

Details

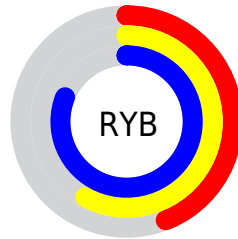
The Yxy color **35.9722, 0.2428, 0.2734** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.4184, 0.4094, 0.3776**, and the grayscale version is **33.0893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4304, 0.2600, 0.2926**, and **15.6276, 0.2221, 0.2552** is the 20% darker color. If you saturate the color by 10%, you get **31.7547, 0.2286, 0.2584**, and if you desaturate by 10%, it is **40.7031, 0.2579, 0.2876**.

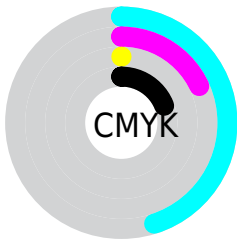
Distribution



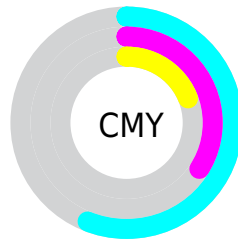
- Red (44%)
- Green (66%)
- Blue (81%)



- Red (44%)
- Yellow (58%)
- Blue (81%)



- Cyan (45%)
- Magenta (18%)
- Yellow (0%)
- Black (19%)



- Cyan (56%)
- Magenta (34%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.9722, 0.2428, 0.2734 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 35.9722, 0.2428, 0.2734 by changing the saturation by 10% instead.

■ 35.9722, 0.2428,
0.2734

■ 35.9722, 0.2428,
0.2734

■ 328.8390, 0.2783,
0.3024

■ 24.4127, 0.2339,
0.2659

■ 68.9892, 0.2557,
0.2842

■ 15.6401, 0.2225,
0.2561

■ 91.2154, 0.2606,
0.2881

■ 9.2698, 0.2074,
0.2429

■ 117.7661, 0.2647,
0.2915

■ 4.9176, 0.1866,
0.2243

■ 149.0255, 0.2682,
0.2943

■ 2.1990, 0.1567,
0.1965

■ 185.3781, 0.2712,
0.2967

■ 0.7194, 0.1033,
0.1518

■ 227.2083, 0.2739,

■ 0.0000, 0.0000,

0.2989

0.0000

274.9005, 0.2762,
0.3007

■ 35.9722, 0.2428,
0.2734

■ 35.9722, 0.2428,
0.2734

■ 31.7547, 0.2286,
0.2584

■ 40.7031, 0.2579,
0.2876

■ 28.0217, 0.2157,
0.2428

■ 45.9664, 0.2735,
0.3008

■ 24.7465, 0.2045,
0.2269

■ 51.7847, 0.2893,
0.3128

■ 21.8975, 0.1954,
0.2111

■ 58.1778, 0.3048,
0.3238

■ 19.4367, 0.1885,
0.1957

■ 65.1645, 0.3199,
0.3336

■ 18.3583, 0.1857,
0.1884

■ 72.7628, 0.3345,
0.3423

■ 80.5837, 0.3468,
0.3501

■ 85.2924, 0.3453,
0.3584

■ 90.2287, 0.3438,
0.3665

Harmonies

Analogous

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



35.9722, 0.2398, 0.2985



35.9722, 0.2428, 0.2734



35.9722, 0.2631, 0.2641

Triad

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



35.9722, 0.2428, 0.2734



35.9722, 0.3734, 0.3189



35.9722, 0.3241, 0.3973

Complementary

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



35.9722, 0.2428, 0.2734



36.4184, 0.4094, 0.3776

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.



35.9722, 0.3616, 0.3990



35.9722, 0.2428, 0.2734



35.9722, 0.3916, 0.3514

Square

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



35.9722, 0.2428, 0.2734



35.9722, 0.3380, 0.2901



35.9722, 0.3869, 0.3809



35.9722, 0.2850, 0.3731

Rectangle

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



35.9722, 0.2428, 0.2734



35.9722, 0.2848, 0.2668



35.9722, 0.3869, 0.3809



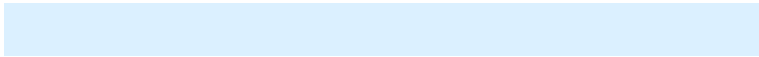
35.9722, 0.3373, 0.4004

Sweetspot

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



35.9736, 0.2428, 0.2734



84.9002, 0.2908, 0.3140



49.8582, 0.2843, 0.4121



17.7102, 0.2874, 0.3115



0.0000, 0.0000, 0.0000



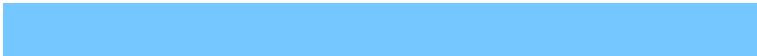
21.4041, 0.3127, 0.3290

Same Dimension

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



35.9736, 0.2428, 0.2734



51.7780, 0.2293, 0.2592



21.9382, 0.2304, 0.2028



11.9292, 0.2983, 0.3193



11.4987, 0.1863, 0.1906



0.7401, 0.1946, 0.2205

Inverse Universe

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



27.7437, 0.3606, 0.2604



38.1669, 0.3753, 0.2473



54.1086, 0.3838, 0.4297



11.3232, 0.3199, 0.3154



8.9638, 0.4560, 0.2286



0.4773, 0.4227, 0.2102

Previews

White Background



This preview shows how the Yxy color 35.9722, 0.2428, 0.2734 looks on a white background.

Color Contrast Check

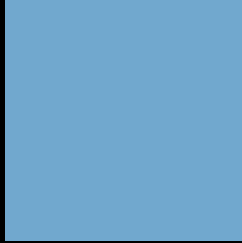
Large Text (above 18pt) WCAG AA × Fail

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 35.9722, 0.2428, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

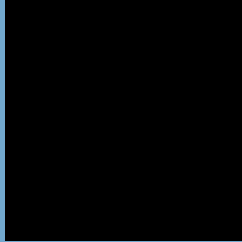
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

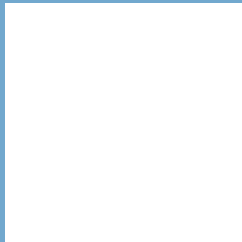
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.9722, 0.2428, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 35.9722, 0.2428, 0.2734.

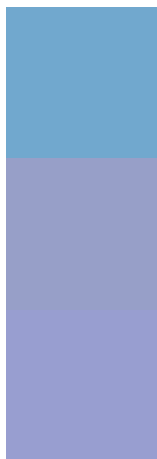


This preview shows how white text looks on a background with the Yxy color 35.9722, 0.2428, 0.2734.

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

35.9722, 0.2428, 0.2734

Protanopia

35.5457, 0.2721, 0.2718

Deuteranopia

35.6832, 0.2671, 0.2607



Tritanopia

36.1336, 0.2527, 0.3088

Trichromacy



Original Color

35.9722, 0.2428, 0.2734

Protanomaly

35.4233, 0.2603, 0.2720

Deuteranomaly

35.7489, 0.2577, 0.2658

Tritanomaly

36.2273, 0.2488, 0.2956

Monochromacy



Original Color

35.9722, 0.2428, 0.2734

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.7731, 0.2828, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9722, 0.2428, 0.2734 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(113, 168, 206)` looks like.

```
.text, #text, p{  
    color:rgb(113, 168, 206)  
}
```

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(113, 168, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 168, 206) }
```

Border

The CSS property to change the border of an element to Yxy 35.9722, 0.2428, 0.2734 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(113, 168, 206) }
```

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

```
.border{ border-color:rgb(113, 168, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 168, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 168, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 168, 206); box-shadow:4px 4px 4px 4px rgb(113, 168, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9722, 0.2428, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 168, 206) }
```

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

```
.background{ background-color: rgb(113,  
168, 206) }
```

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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