

Converting Colors

$Y_{xy}(35.2002, 0.2326, 0.2470)$

Have a look what the booklet for
Yxy(35.2002, 0.2326, 0.2470)
contains.

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Color

Yxy(35.2696, 0.2324, 0.2474)

Conversions

Conversions Part 1

Format	Color
Hex	70A4DE
RGB	112, 164, 222
RGB Percent	44%, 64%, 87%
CMY	0.5612, 0.3568, 0.1295
CMYK	0.50, 0.26, 0.00, 0.13
HSL	212°, 63%, 65%
HSV	212°, 50%, 87%
XYZ	33.1312, 35.2696, 74.1603
YIQ	155.0640, -49.6100, 7.0140

Conversions

Conversions Part 2

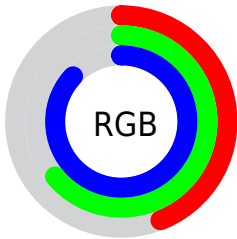
Format	Color
RYB	112, 147, 222
Decimal	7382238
CIELab	65.96, -1.38, -34.66
CIELCh	66, 34.689, 267.719
Yxy	35.2696, 0.2324, 0.2474
Android (android.graphics.Color)	4285572318 (0xFF70A4DE)
YUV	155.0640, 32.9994, -37.7671
Hunter-Lab	59.3882, -4.3487, -32.4659

Details

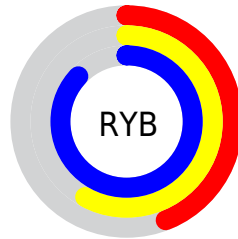
The Yxy color **35.2696, 0.2324, 0.2474** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.3945, 0.4144, 0.3970**, and the grayscale version is **32.6675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3181, 0.2594, 0.2879**, and **15.3572, 0.2095, 0.2243** is the 20% darker color. If you saturate the color by 10%, you get **29.9975, 0.2170, 0.2272**, and if you desaturate by 10%, it is **41.2877, 0.2487, 0.2667**.

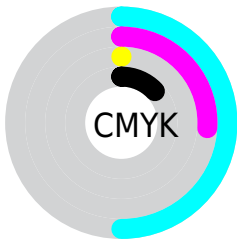
Distribution



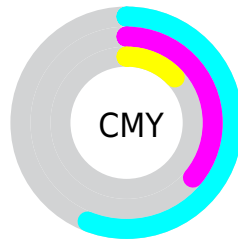
- Red (44%)
- Green (64%)
- Blue (87%)



- Red (44%)
- Yellow (58%)
- Blue (87%)



- Cyan (50%)
- Magenta (26%)
- Yellow (0%)
- Black (13%)



- Cyan (56%)
- Magenta (36%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.2696, 0.2324, 0.2474 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 35.2696, 0.2324, 0.2474 by changing the saturation by 10% instead.

■ 35.2696, 0.2324,
0.2474

■ 35.2696, 0.2324,
0.2474

■ 325.7567, 0.2730,
0.2888

■ 23.8706, 0.2223,
0.2371

■ 67.9032, 0.2471,
0.2625

■ 15.2377, 0.2096,
0.2239

■ 89.9066, 0.2527,
0.2681

■ 8.9864, 0.1929,
0.2067

■ 116.2137, 0.2574,
0.2729

■ 4.7323, 0.1704,
0.1834

■ 147.2087, 0.2614,
0.2770

■ 2.0911, 0.1391,
0.1508

■ 183.2761, 0.2649,
0.2806

■ 0.6596, 0.0921,
0.1024

■ 224.8003, 0.2679,

■ 0.0000, 0.0000,

0.2837

0.0000

272.1658, 0.2706,
0.2864

■ 35.2696, 0.2324,
0.2474

■ 35.2696, 0.2324,
0.2474

■ 29.9975, 0.2170,
0.2272

■ 41.2877, 0.2487,
0.2667

■ 25.4302, 0.2031,
0.2065

■ 48.0818, 0.2653,
0.2847

■ 21.5276, 0.1911,
0.1860

■ 55.6850, 0.2818,
0.3012

■ 18.2423, 0.1816,
0.1662

■ 64.1267, 0.2979,
0.3161

■ 15.5012, 0.1745,
0.1477

■ 73.4349, 0.3133,
0.3295

■ 15.3977, 0.1742,
0.1470

■ 83.6362, 0.3279,
0.3414

■ 92.3492, 0.3333,
0.3525

■ 98.0533, 0.3322,
0.3611

Harmonies

Analogous

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



35.2696, 0.2170, 0.2684



35.2696, 0.2324, 0.2474



35.2696, 0.2683, 0.2469

Triad

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



35.2696, 0.2324, 0.2474



35.2696, 0.4099, 0.3359



35.2696, 0.2995, 0.4086

Complementary

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



35.2696, 0.2324, 0.2474



45.3945, 0.4144, 0.3970

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.



35.2696, 0.3518, 0.4259



35.2696, 0.2324, 0.2474



35.2696, 0.4181, 0.3774

Square

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



35.2696, 0.2324, 0.2474



35.2696, 0.3724, 0.2959



35.2696, 0.3958, 0.4116



35.2696, 0.2531, 0.3630

Rectangle

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



35.2696, 0.2324, 0.2474



35.2696, 0.3011, 0.2567



35.2696, 0.3958, 0.4116



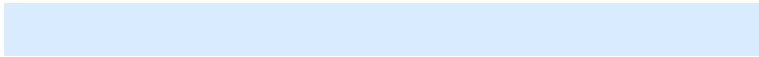
35.2696, 0.3170, 0.4181

Sweetspot

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



35.2709, 0.2324, 0.2474



81.2700, 0.2891, 0.3081



58.5311, 0.2752, 0.4034



16.8780, 0.2856, 0.3048



0.0000, 0.0000, 0.0000



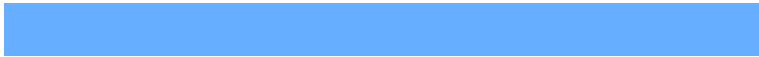
21.4041, 0.3127, 0.3290

Same Dimension

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



35.2709, 0.2324, 0.2474



40.4873, 0.2157, 0.2254



20.3993, 0.2194, 0.1730



14.3083, 0.2981, 0.3163



9.3661, 0.1749, 0.1496



0.8275, 0.1829, 0.1785

Inverse Universe

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



29.7754, 0.3838, 0.2682



33.8359, 0.4082, 0.2573



68.6440, 0.3837, 0.4495



13.8081, 0.3218, 0.3180



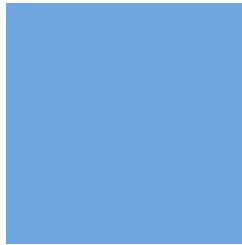
9.8536, 0.5064, 0.2563



0.7010, 0.4703, 0.2365

Previews

White Background



This preview shows how the Yxy color 35.2696, 0.2324, 0.2474 looks on a white background.

Color Contrast Check

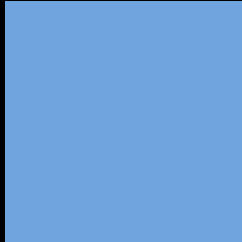
Large Text (above 18pt) WCAG AA × Fail

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 35.2696, 0.2324, 0.2474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

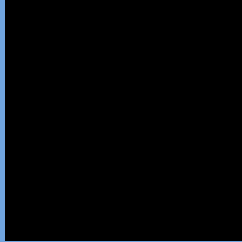
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

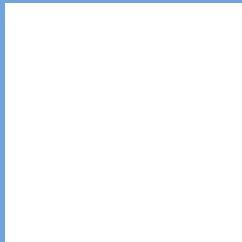
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.2696, 0.2324, 0.2474

Background



This preview shows how black text looks on a background with the Yxy color 35.2696, 0.2324, 0.2474.

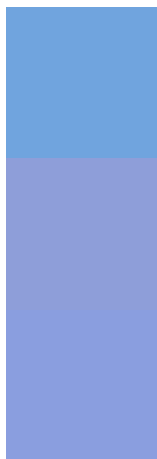


This preview shows how white text looks on a background with the Yxy color 35.2696, 0.2324, 0.2474.

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

35.2696, 0.2324, 0.2474

Protanopia

35.2143, 0.2535, 0.2486

Deuteranopia

35.1847, 0.2469, 0.2411



Tritanopia

35.3379, 0.2482, 0.3069

Trichromacy



Original Color

35.2696, 0.2324, 0.2474

Protanomaly

35.0814, 0.2449, 0.2475

Deuteranomaly

35.1365, 0.2413, 0.2426

Tritanomaly

35.0255, 0.2421, 0.2835

Monochromacy



Original Color

35.2696, 0.2324, 0.2474

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.1974, 0.2778, 0.2974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2696, 0.2324, 0.2474 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(112, 164, 222)` looks like.

```
.text, #text, p{  
    color:rgb(112, 164, 222)  
}
```

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(112, 164, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 164, 222) }
```

Border

The CSS property to change the border of an element to Yxy 35.2696, 0.2324, 0.2474 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(112, 164, 222) }
```

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

```
.border{ border-color:rgb(112, 164, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 164, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 164, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 164, 222); box-shadow:4px 4px 4px 4px rgb(112, 164, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2696, 0.2324, 0.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 164, 222) }
```

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

```
.background{ background-color: rgb(112,  
164, 222) }
```

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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