

Converting Colors

$Y_{xy}(35.7370, 0.2272, 0.2285)$

Have a look what the booklet for
Yxy(35.7370, 0.2272, 0.2285)
contains.

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Color

Yxy(35.7370, 0.2272, 0.2285)

Conversions

Conversions Part 1

Format	Color
Hex	75A2ED
RGB	117, 162, 237
RGB Percent	46%, 64%, 93%
CMY	0.5414, 0.3646, 0.0707
CMYK	0.51, 0.32, 0.00, 0.07
HSL	217°, 77%, 69%
HSV	217°, 51%, 93%
XYZ	35.5337, 35.7370, 85.1276
YIQ	157.0950, -50.8950, 13.7850

Conversions

Conversions Part 2

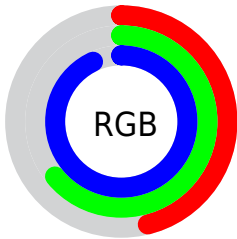
Format	Color
R _Y B	117, 150, 237
Decimal	7709421
CIE Lab	66.32, 5.37, -42.32
CIE LCh	66, 42.658, 277.237
Yxy	35.7370, 0.2272, 0.2285
Android (android.graphics.Color)	4285899501 (0xFF75A2ED)
YUV	157.0950, 39.3932, -35.1633
Hunter-Lab	59.7804, 1.4852, -42.5829

Details

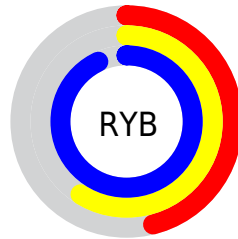
The Yxy color **35.7370, 0.2272, 0.2285** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.9407, 0.4106, 0.4105**, and the grayscale version is **33.5943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9597, 0.2625, 0.2860**, and **15.5749, 0.2036, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **29.3889, 0.2106, 0.2043**, and if you desaturate by 10%, it is **43.1167, 0.2447, 0.2518**.

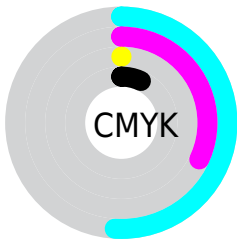
Distribution



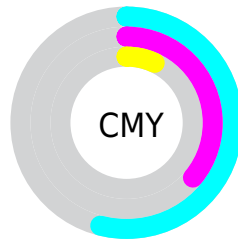
- Red (46%)
- Green (64%)
- Blue (93%)



- Red (46%)
- Yellow (59%)
- Blue (93%)



- Cyan (51%)
- Magenta (32%)
- Yellow (0%)
- Black (7%)




- Cyan (54%)
- Magenta (36%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7370, 0.2272, 0.2285 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 35.7370, 0.2272, 0.2285 by changing the saturation by 10% instead.


 35.7370, 0.2272,
0.2285

 35.7370, 0.2272,
0.2285


327.8096, 0.2702,
0.2782

 24.2311, 0.2167,
0.2166


 68.6259, 0.2427,
0.2462

 15.5052, 0.2035,
0.2017


 90.7778, 0.2486,
0.2530

 9.1747, 0.1864,
0.1827

 117.2471, 0.2535,
0.2588

 4.8553, 0.1638,
0.1579

148.4183, 0.2578,
0.2637

 2.1626, 0.1332,
0.1251

184.6758, 0.2615,
0.2681

 0.6995, 0.0918,
0.0806

226.4039, 0.2648,

 0.0000, 0.0000,

0.2718

0.0000

273.9870, 0.2676,
0.2752

■ 35.7370, 0.2272,
0.2285

■ 35.7370, 0.2272,
0.2285

■ 29.3889, 0.2106,
0.2043

■ 43.1167, 0.2447,
0.2518

■ 24.0152, 0.1954,
0.1799

■ 51.5728, 0.2623,
0.2737

■ 19.5583, 0.1826,
0.1564

■ 61.1521, 0.2796,
0.2937

■ 15.9506, 0.1726,
0.1346

■ 71.8970, 0.2961,
0.3118

■ 13.2557, 0.1657,
0.1165

■ 83.8476, 0.3117,
0.3280

96.2501, 0.3236,
0.3424

98.8931, 0.3232,
0.3464

Harmonies

Analogous

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



35.7370, 0.2013, 0.2444



35.7370, 0.2272, 0.2285



35.7370, 0.2764, 0.2355

Triad

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



35.7370, 0.2272, 0.2285



35.7370, 0.4392, 0.3513



35.7370, 0.2761, 0.4133

Complementary

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



35.7370, 0.2272, 0.2285



56.9407, 0.4106, 0.4105

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.



35.7370, 0.3387, 0.4470



35.7370, 0.2272, 0.2285



35.7370, 0.4356, 0.3999

Square

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



35.7370, 0.2272, 0.2285



35.7370, 0.4035, 0.3028



35.7370, 0.3975, 0.4378



35.7370, 0.2265, 0.3488

Rectangle

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



35.7370, 0.2272, 0.2285



35.7370, 0.3188, 0.2512



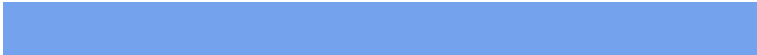
35.7370, 0.3975, 0.4378



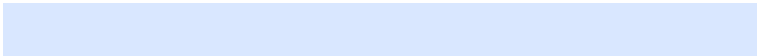
35.7370, 0.2963, 0.4293

Sweetspot

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



35.7383, 0.2272, 0.2285



79.1487, 0.2889, 0.3041



68.0932, 0.2686, 0.3890



16.3692, 0.2854, 0.3002



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.



35.7383, 0.2272, 0.2285



34.3043, 0.2096, 0.2028



23.6441, 0.2251, 0.1717



15.4757, 0.2980, 0.3139



7.4708, 0.1665, 0.1195



0.7663, 0.1742, 0.1471

Inverse Universe

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



33.3196, 0.4009, 0.2795



32.7330, 0.4307, 0.2716



77.5219, 0.3763, 0.4564



15.1476, 0.3234, 0.3202



10.2470, 0.5473, 0.2789



0.8228, 0.5097, 0.2581

Previews

White Background



This preview shows how the Yxy color 35.7370, 0.2272, 0.2285 looks on a white background.

Color Contrast Check

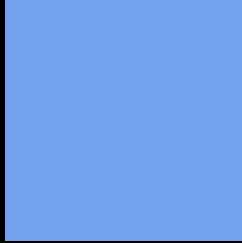
Large Text (above 18pt) WCAG AA × Fail

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 35.7370, 0.2272, 0.2285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

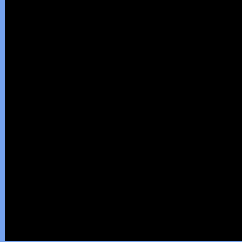
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

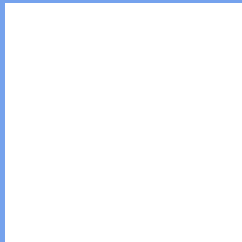
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.7370, 0.2272, 0.2285

Background



This preview shows how black text looks on a background with the Yxy color 35.7370, 0.2272, 0.2285.



This preview shows how white text looks on a background with the Yxy color 35.7370, 0.2272, 0.2285.

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

35.7370, 0.2272, 0.2285

Protanopia

35.6285, 0.2393, 0.2290

Deuteranopia

35.8267, 0.2320, 0.2261



Tritanopia

35.7595, 0.2479, 0.3070

Trichromacy



Original Color

35.7370, 0.2272, 0.2285

Protanomaly

35.4616, 0.2345, 0.2282

Deuteranomaly

35.8737, 0.2299, 0.2269

Tritanomaly

35.4772, 0.2393, 0.2741

Monochromacy



Original Color

35.7370, 0.2272, 0.2285

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.0922, 0.2751, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7370, 0.2272, 0.2285 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, 162, 237)` looks like.

```
.text, #text, p{  
    color:rgb(117, 162, 237)  
}
```

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, 162, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 162, 237) }
```

Border

The CSS property to change the border of an element to Yxy 35.7370, 0.2272, 0.2285 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, 162, 237) }
```

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

```
.border{ border-color:rgb(117, 162, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 162, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 162, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 162, 237);  
box-shadow:4px 4px 4px 4px rgb(117, 162,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7370, 0.2272, 0.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 162, 237) }
```

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

```
.background{ background-color: rgb(117,  
162, 237) }
```

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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