

Converting Colors

$Yxy(35.1765, 0.2354, 0.2544)$

Have a look what the booklet for
Yxy(35.1765, 0.2354, 0.2544)
contains.

Yxy(35.3648, 0.2354, 0.2548)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.3648, 0.2354, 0.2548)

Conversions

Conversions Part 1

Format	Color
Hex	70A5D9
RGB	112, 165, 217
RGB Percent	44%, 65%, 85%
CMY	0.5604, 0.3530, 0.1490
CMYK	0.48, 0.24, 0.00, 0.15
HSL	210°, 58%, 65%
HSV	210°, 48%, 85%
XYZ	32.6722, 35.3648, 70.7574
YIQ	155.0810, -48.2800, 4.9360

Conversions

Conversions Part 2

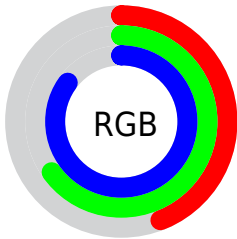
Format	Color
R_{YB}	112, 147, 217
Decimal	7382489
CIE _{Lab}	66.03, -3.33, -31.80
CIE _{LCh}	66, 31.974, 264.021
Yxy	35.3648, 0.2354, 0.2548
Android (android.graphics.Color)	4285572569 (0xFF70A5D9)
YUV	155.0810, 30.5261, -37.7820
Hunter-Lab	59.4683, -6.0007, -28.9174

Details

The Yxy color **35.3648, 0.2354, 0.2548** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.5244, 0.4131, 0.3917**, and the grayscale version is **32.7046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7312, 0.2590, 0.2891**, and **15.2032, 0.2128, 0.2320** is the 20% darker color. If you saturate the color by 10%, you get **30.3883, 0.2203, 0.2360**, and if you desaturate by 10%, it is **41.0138, 0.2514, 0.2727**.

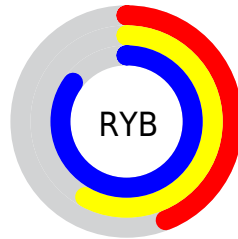
Distribution



Red (44%)

Green (65%)

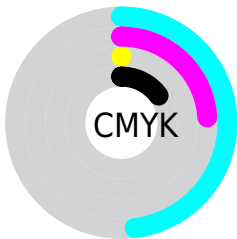
Blue (85%)



Red (44%)

Yellow (58%)

Blue (85%)

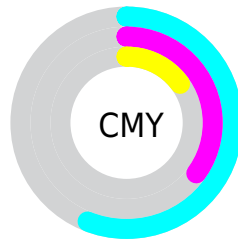


Cyan (48%)

Magenta (24%)

Yellow (0%)

Black (15%)



Cyan (56%)

Magenta (35%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.3648, 0.2354, 0.2548 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 35.3648, 0.2354, 0.2548 by changing the saturation by 10% instead.

■ 35.3648, 0.2354,
0.2548

■ 35.3648, 0.2354,
0.2548

■ 326.1756, 0.2745,
0.2928

■ 23.9440, 0.2257,
0.2452

■ 68.0505, 0.2496,
0.2687

■ 15.2921, 0.2132,
0.2329

■ 90.0842, 0.2550,
0.2739

■ 9.0246, 0.1969,
0.2167

■ 116.4244, 0.2595,
0.2783

■ 4.7573, 0.1748,
0.1945

■ 147.4554, 0.2634,
0.2820

■ 2.1056, 0.1438,
0.1628

■ 183.5616, 0.2667,
0.2853

■ 0.6677, 0.0946,
0.1142

■ 225.1275, 0.2697,

■ 0.0000, 0.0000,

0.2881

0.0000

272.5373, 0.2722,
0.2906

■ 35.3648, 0.2354,
0.2548

■ 35.3648, 0.2354,
0.2548

■ 30.3883, 0.2203,
0.2360

■ 41.0138, 0.2514,
0.2727

■ 26.0473, 0.2066,
0.2166

■ 47.3616, 0.2677,
0.2894

■ 22.3063, 0.1948,
0.1971

■ 54.4377, 0.2840,
0.3047

■ 19.1233, 0.1853,
0.1782

■ 62.2684, 0.2999,
0.3186

■ 16.4395, 0.1781,
0.1603

■ 70.8784, 0.3152,
0.3310

■ 16.0300, 0.1771,
0.1574

■ 80.2915, 0.3298,
0.3420

■ 88.7804, 0.3372,
0.3521

■ 95.3178, 0.3357,
0.3624

■ 97.7904, 0.3351,
0.3661

Harmonies

Analogous

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



35.3648, 0.2236, 0.2771



35.3648, 0.2354, 0.2548



35.3648, 0.2667, 0.2518

Triad

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



35.3648, 0.2354, 0.2548



35.3648, 0.3992, 0.3310



35.3648, 0.3068, 0.4054

Complementary

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



35.3648, 0.2354, 0.2548



42.5244, 0.4131, 0.3917

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.



35.3648, 0.3549, 0.4178



35.3648, 0.2354, 0.2548



35.3648, 0.4105, 0.3698

Square

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



35.3648, 0.2354, 0.2548



35.3648, 0.3621, 0.2943



35.3648, 0.3934, 0.4025



35.3648, 0.2624, 0.3663

Rectangle

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



35.3648, 0.2354, 0.2548



35.3648, 0.2962, 0.2596



35.3648, 0.3934, 0.4025



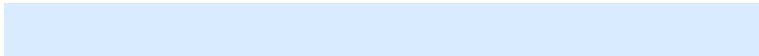
35.3648, 0.3230, 0.4129

Sweetspot

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



35.3661, 0.2354, 0.2548



81.9415, 0.2891, 0.3093



55.7211, 0.2779, 0.4063



17.0394, 0.2857, 0.3063



0.0000, 0.0000, 0.0000



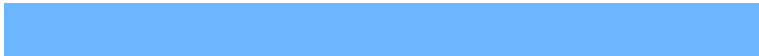
21.4041, 0.3127, 0.3290

Same Dimension

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



35.3661, 0.2354, 0.2548



43.6643, 0.2200, 0.2356



20.4634, 0.2213, 0.1796



13.6965, 0.2982, 0.3171



9.9143, 0.1778, 0.1599



0.8147, 0.1859, 0.1893

Inverse Universe

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



29.0809, 0.3770, 0.2660



35.1592, 0.3978, 0.2547



64.6610, 0.3844, 0.4445



13.1605, 0.3213, 0.3173



9.6246, 0.4932, 0.2491



0.6409, 0.4576, 0.2295

Previews

White Background



This preview shows how the Yxy color 35.3648, 0.2354, 0.2548 looks on a white background.

Color Contrast Check

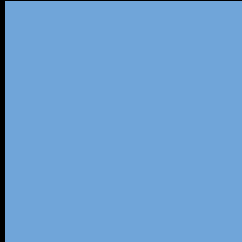
Large Text (above 18pt) WCAG AA × Fail

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 35.3648, 0.2354, 0.2548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

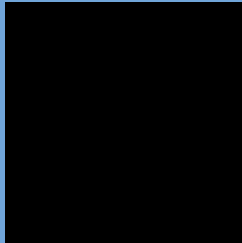
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

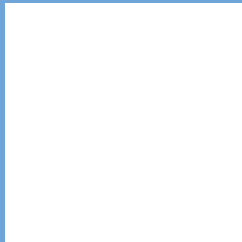
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3648, 0.2354, 0.2548

Background



This preview shows how black text looks on a background with the Yxy color 35.3648, 0.2354, 0.2548.

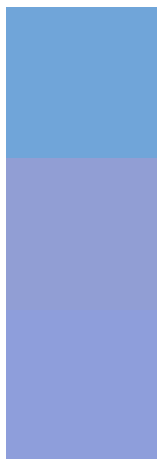


This preview shows how white text looks on a background with the Yxy color 35.3648, 0.2354, 0.2548.

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

35.3648, 0.2354, 0.2548

Protanopia

35.2269, 0.2589, 0.2549

Deuteranopia

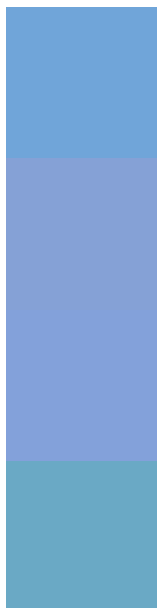
35.3190, 0.2522, 0.2463



Tritanopia

35.4534, 0.2494, 0.3070

Trichromacy



Original Color

35.3648, 0.2354, 0.2548

Protanomaly

35.3313, 0.2495, 0.2551

Deuteranomaly

35.3770, 0.2457, 0.2501

Tritanomaly

35.4713, 0.2441, 0.2866

Monochromacy



Original Color

35.3648, 0.2354, 0.2548

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.4996, 0.2787, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3648, 0.2354, 0.2548 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, 165, 217)` looks like.

```
.text, #text, p{  
    color:rgb(112, 165, 217)  
}
```

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, 165, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 165, 217) }
```

Border

The CSS property to change the border of an element to Yxy 35.3648, 0.2354, 0.2548 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, 165, 217) }
```

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

```
.border{ border-color:rgb(112, 165, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 165, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 165, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 165, 217);  
box-shadow:4px 4px 4px 4px rgb(112, 165,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3648, 0.2354, 0.2548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 165, 217) }
```

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

```
.background{ background-color: rgb(112,  
165, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor