

Converting Colors

$Yxy(35.6102, 0.2424, 0.2825)$

Have a look what the booklet for
Yxy(35.6102, 0.2424, 0.2825)
contains.

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Color

Yxy(35.6102, 0.2424, 0.2825)

Conversions

Conversions Part 1

Format	Color
Hex	6AA9C8
RGB	106, 169, 200
RGB Percent	42%, 66%, 78%
CMY	0.5842, 0.3372, 0.2158
CMYK	0.47, 0.15, 0.00, 0.22
HSL	200°, 46%, 60%
HSV	200°, 47%, 78%
XYZ	30.5554, 35.6102, 59.8882
YIQ	153.6970, -47.4990, -3.7150

Conversions

Conversions Part 2

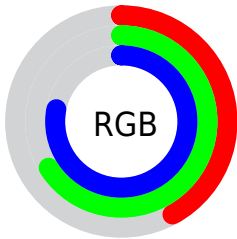
Format	Color
R _Y B	106, 144, 200
Decimal	6990280
CIE Lab	66.22, -11.88, -22.11
CIE LCh	66, 25.096, 241.746
Yxy	35.6102, 0.2424, 0.2825
Android (android.graphics.Color)	4285180360 (0xFF6AA9C8)
YUV	153.6970, 22.8274, -41.8303
Hunter-Lab	59.6743, -13.0314, -17.7305

Details

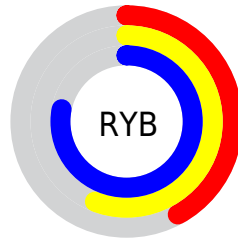
The Yxy color **35.6102, 0.2424, 0.2825** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **31.2030, 0.4191, 0.3699**, and the grayscale version is **32.0907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2127, 0.2564, 0.2934**, and **15.4509, 0.2219, 0.2675** is the 20% darker color. If you saturate the color by 10%, you get **32.1347, 0.2295, 0.2705**, and if you desaturate by 10%, it is **39.4976, 0.2565, 0.2939**.

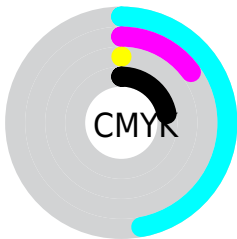
Distribution



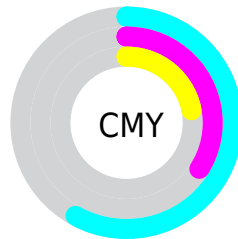
- Red (42%)
- Green (66%)
- Blue (78%)



- Red (42%)
- Yellow (56%)
- Blue (78%)



- Cyan (47%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)





- Cyan (58%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6102, 0.2424, 0.2825 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 35.6102, 0.2424, 0.2825 by changing the saturation by 10% instead.

 35.6102, 0.2424,
0.2825


 35.6102, 0.2424,
0.2825


327.2536, 0.2781,
0.3071

 24.1333, 0.2334,
0.2760


 68.4300, 0.2555,
0.2917


 15.4325, 0.2218,
0.2674


 90.5417, 0.2603,
0.2951

 9.1235, 0.2065,
0.2556


 116.9671, 0.2645,
0.2979

 4.8218, 0.1853,
0.2387

 148.0906, 0.2680,
0.3003

 2.1431, 0.1546,
0.2127

184.2966, 0.2710,
0.3024

 0.6887, 0.0899,
0.1698

225.9695, 0.2737,

 0.0000, 0.0000,

0.3042

0.0000

273.4937, 0.2760,
0.3057

■ 35.6102, 0.2424,
0.2825

■ 35.6102, 0.2424,
0.2825

■ 32.1347, 0.2295,
0.2705

■ 39.4976, 0.2565,
0.2939

■ 29.0452, 0.2180,
0.2581

■ 43.8130, 0.2714,
0.3045

■ 26.3185, 0.2084,
0.2456

■ 48.5760, 0.2866,
0.3143

■ 23.9260, 0.2008,
0.2330

■ 53.8039, 0.3020,
0.3233

■ 21.8301, 0.1951,
0.2206

■ 59.5127, 0.3173,
0.3313

■ 21.2361, 0.1936,
0.2169

■ 65.7178, 0.3322,
0.3386

■ 72.4336, 0.3465,
0.3450

■ 77.5289, 0.3521,
0.3512

■ 81.0932, 0.3507,
0.3577

Harmonies

Analogous

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



35.6102, 0.2457, 0.3114



35.6102, 0.2424, 0.2825



35.6102, 0.2563, 0.2680

Triad

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



35.6102, 0.2424, 0.2825



35.6102, 0.3604, 0.3088



35.6102, 0.3372, 0.3975

Complementary

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



35.6102, 0.2424, 0.2825



31.2030, 0.4191, 0.3699

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.



35.6102, 0.3701, 0.3919



35.6102, 0.2424, 0.2825



35.6102, 0.3847, 0.3396

Square

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



35.6102, 0.2424, 0.2825



35.6102, 0.3232, 0.2836



35.6102, 0.3880, 0.3698



35.6102, 0.2989, 0.3816

Rectangle

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



35.6102, 0.2424, 0.2825



35.6102, 0.2742, 0.2669



35.6102, 0.3880, 0.3698



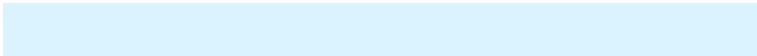
35.6102, 0.3493, 0.3980

Sweetspot

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



35.6115, 0.2424, 0.2825



86.5677, 0.2909, 0.3169



46.1313, 0.2882, 0.4286



18.1176, 0.2876, 0.3149



0.0000, 0.0000, 0.0000



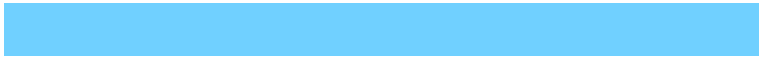
21.4041, 0.3127, 0.3290

Same Dimension

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



35.6115, 0.2424, 0.2825



55.7575, 0.2297, 0.2708



21.4600, 0.2291, 0.2094



11.4556, 0.2984, 0.3212



13.6766, 0.1941, 0.2186



0.7761, 0.2012, 0.2443

Inverse Universe

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



25.4517, 0.3538, 0.2492



37.4434, 0.3660, 0.2345



47.0786, 0.3907, 0.4248



10.7549, 0.3187, 0.3136



8.9206, 0.4247, 0.2113



0.4354, 0.3979, 0.1966

Previews

White Background



This preview shows how the Yxy color 35.6102, 0.2424, 0.2825 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 35.6102, 0.2424, 0.2825 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 35.6102, 0.2424, 0.2825

Background



This preview shows how black text looks on a background with the Yxy color 35.6102, 0.2424, 0.2825.

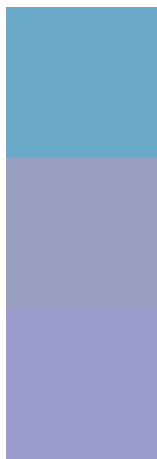


This preview shows how white text looks on a background with the Yxy color 35.6102, 0.2424, 0.2825.

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

35.6102, 0.2424, 0.2825

Protanopia

35.4188, 0.2790, 0.2811

Deuteranopia

35.2958, 0.2722, 0.2657



Tritanopia

35.7745, 0.2491, 0.3086

Trichromacy



Original Color

35.6102, 0.2424, 0.2825

Protanomaly

35.4141, 0.2637, 0.2812

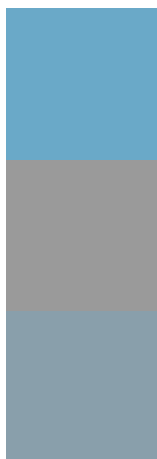
Deuteranomaly

35.0724, 0.2601, 0.2705

Tritanomaly

35.7271, 0.2470, 0.2996

Monochromacy



Original Color

35.6102, 0.2424, 0.2825

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.0549, 0.2825, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6102, 0.2424, 0.2825 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(106, 169, 200)` looks like.

```
.text, #text, p{  
    color:rgb(106, 169, 200)  
}
```

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(106, 169, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 169, 200) }
```

Border

The CSS property to change the border of an element to Yxy 35.6102, 0.2424, 0.2825 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(106, 169, 200) }
```

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

```
.border{ border-color:rgb(106, 169, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 169, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 169, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 169, 200);  
box-shadow:4px 4px 4px 4px rgb(106, 169,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6102, 0.2424, 0.2825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 169, 200) }
```

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

```
.background{ background-color: rgb(106,  
169, 200) }
```

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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