

Converting Colors

$Y_{xy}(35.5357, 0.2538, 0.2909)$

Have a look what the booklet for
Yxy(35.5357, 0.2538, 0.2909)
contains.

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Color

Yxy(35.7071, 0.2538, 0.2915)

Conversions

Conversions Part 1

Format	Color
Hex	76A8C1
RGB	118, 168, 193
RGB Percent	46%, 66%, 76%
CMY	0.5376, 0.3411, 0.2432
CMYK	0.39, 0.13, 0.00, 0.24
HSL	200°, 38%, 61%
HSV	200°, 39%, 76%
XYZ	31.0891, 35.7071, 55.6982
YIQ	155.9000, -37.8250, -2.8250

Conversions

Conversions Part 2

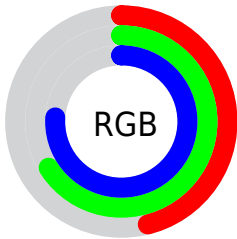
Format	Color
R _Y B	118, 148, 193
Decimal	7776449
CIE Lab	66.30, -10.22, -18.06
CIE LCh	66, 20.754, 240.502
Yxy	35.7071, 0.2538, 0.2915
Android (android.graphics.Color)	4285966529 (0xFF76A8C1)
YUV	155.9000, 18.2903, -33.2383
Hunter-Lab	59.7554, -11.7035, -13.4356

Details

The Yxy color **35.7071, 0.2538, 0.2915** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.2499, 0.3948, 0.3632**, and the grayscale version is **33.1210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4991, 0.2653, 0.2993**, and **15.4787, 0.2367, 0.2800** is the 20% darker color. If you saturate the color by 10%, you get **32.1821, 0.2399, 0.2799**, and if you desaturate by 10%, it is **39.6281, 0.2685, 0.3024**.

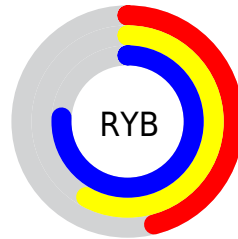
Distribution



Red (46%)

Green (66%)

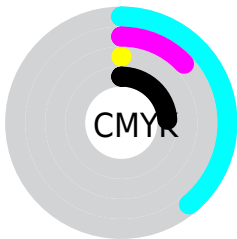
Blue (76%)



Red (46%)

Yellow (58%)

Blue (76%)

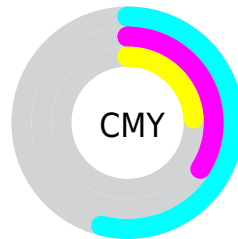


Cyan (39%)

Magenta (13%)

Yellow (0%)

Black (24%)



Cyan (54%)


Magenta (34%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7071, 0.2538, 0.2915 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 35.7071, 0.2538, 0.2915 by changing the saturation by 10% instead.


 35.7071, 0.2538,
0.2915


 35.7071, 0.2538,
0.2915


327.6785, 0.2839,
0.3114


 24.2081, 0.2461,
0.2862


 68.5797, 0.2649,
0.2990

 15.4880, 0.2362,
0.2792


 90.7221, 0.2690,
0.3017

 9.1626, 0.2229,
0.2695


 117.1811, 0.2725,
0.3040

 4.8474, 0.2042,
0.2555

148.3411, 0.2754,
0.3059

 2.1580, 0.1764,
0.2333

184.5864, 0.2780,
0.3076

 0.6970, 0.1158,
0.1955

226.3015, 0.2802,

 0.0000, 0.0000,

0.3090

0.0000

273.8707, 0.2822,
0.3103

■ 35.7071, 0.2538,
0.2915

■ 35.7071, 0.2538,
0.2915

■ 32.1821, 0.2399,
0.2799

■ 39.6281, 0.2685,
0.3024

■ 29.0304, 0.2272,
0.2678

■ 43.9583, 0.2838,
0.3124

■ 26.2328, 0.2160,
0.2553

■ 48.7149, 0.2991,
0.3216

■ 23.7661, 0.2067,
0.2426

■ 53.9129, 0.3144,
0.3299

■ 21.6035, 0.1994,
0.2299

■ 59.5666, 0.3293,
0.3373

■ 19.7003, 0.1939,
0.2175

■ 65.6893, 0.3437,
0.3439

■ 19.5007, 0.1934,
0.2161

■ 72.2940, 0.3576,
0.3497

■ 75.9625, 0.3576,
0.3561

■ 79.3833, 0.3561,
0.3624

Harmonies

Analogous

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



35.7071, 0.2573, 0.3161



35.7071, 0.2538, 0.2915



35.7071, 0.2650, 0.2784

Triad

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



35.7071, 0.2538, 0.2915



35.7071, 0.3510, 0.3113



35.7071, 0.3346, 0.3853

Complementary

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



35.7071, 0.2538, 0.2915



32.2499, 0.3948, 0.3632

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.



35.7071, 0.3613, 0.3807



35.7071, 0.2538, 0.2915



35.7071, 0.3715, 0.3372

Square

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



35.7071, 0.2538, 0.2915



35.7071, 0.3203, 0.2903



35.7071, 0.3752, 0.3625



35.7071, 0.3029, 0.3728

Rectangle

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



35.7071, 0.2538, 0.2915



35.7071, 0.2798, 0.2770



35.7071, 0.3752, 0.3625



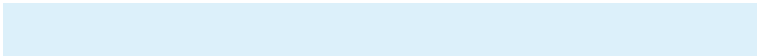
35.7071, 0.3445, 0.3856

Sweetspot

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



35.7085, 0.2538, 0.2915



84.3754, 0.2941, 0.3187



43.9236, 0.2917, 0.4082



17.8589, 0.2921, 0.3175



97.7402, 0.3127, 0.3290



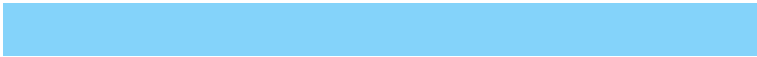
20.4902, 0.3127, 0.3290

Same Dimension

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



35.7085, 0.2538, 0.2915



58.3477, 0.2415, 0.2813



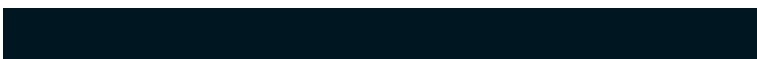
24.1096, 0.2451, 0.2337



10.8458, 0.2984, 0.3212



13.1238, 0.1938, 0.2177



0.6893, 0.2015, 0.2454

Inverse Universe

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



27.0998, 0.3448, 0.2630



41.6248, 0.3549, 0.2485



44.9719, 0.3765, 0.4088



10.1887, 0.3187, 0.3137



8.6071, 0.4257, 0.2119



0.3842, 0.3968, 0.1959

Previews

White Background



This preview shows how the Yxy color 35.7071, 0.2538, 0.2915 looks on a white background.

Color Contrast Check

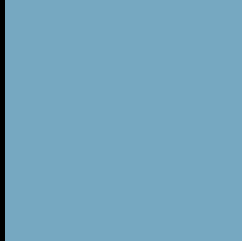
Large Text (above 18pt) WCAG AA × Fail

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 35.7071, 0.2538, 0.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

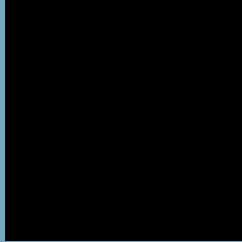
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7071, 0.2538, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 35.7071, 0.2538, 0.2915.



This preview shows how white text looks on a background with the Yxy color 35.7071, 0.2538, 0.2915.

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

35.7071, 0.2538, 0.2915

Protanopia

35.3527, 0.2854, 0.2892

Deuteranopia

35.4250, 0.2824, 0.2763



Tritanopia

35.8132, 0.2587, 0.3089

Trichromacy



Original Color

35.7071, 0.2538, 0.2915

Protanomaly

35.2656, 0.2732, 0.2897

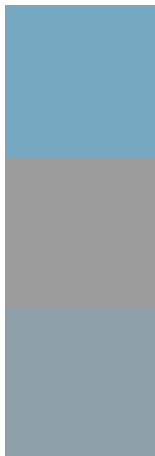
Deuteranomaly

35.3141, 0.2711, 0.2817

Tritanomaly

35.6768, 0.2566, 0.3015

Monochromacy



Original Color

35.7071, 0.2538, 0.2915

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.7570, 0.2885, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7071, 0.2538, 0.2915 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(118, 168, 193)` looks like.

```
.text, #text, p{  
    color:rgb(118, 168, 193)  
}
```

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(118, 168, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 168, 193) }
```

Border

The CSS property to change the border of an element to Yxy 35.7071, 0.2538, 0.2915 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(118, 168, 193) }
```

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

```
.border{ border-color:rgb(118, 168, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 168, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 168, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 168, 193);  
box-shadow:4px 4px 4px 4px rgb(118, 168,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7071, 0.2538, 0.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 168, 193) }
```

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

```
.background{ background-color: rgb(118,  
168, 193) }
```

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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