

Converting Colors

$Y_{xy}(35.6924, 0.2578, 0.3212)$

Have a look what the booklet for
Yxy(35.6924, 0.2578, 0.3212)
contains.

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Color

Yxy(35.8052, 0.2578, 0.3210)

Conversions

Conversions Part 1

Format	Color
Hex	6BACB1
RGB	107, 172, 177
RGB Percent	42%, 67%, 69%
CMY	0.5801, 0.3255, 0.3059
CMYK	0.40, 0.03, 0.00, 0.31
HSL	184°, 31%, 56%
HSV	184°, 40%, 69%
XYZ	28.7557, 35.8052, 46.9818
YIQ	153.1350, -40.3450, -12.2250

Conversions

Conversions Part 2

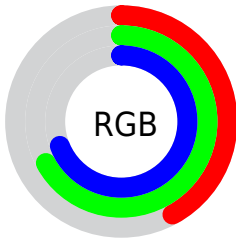
Format	Color
RYB	107, 141, 177
Decimal	7056561
CIELab	66.37, -19.39, -9.11
CIElCh	66, 21.422, 205.174
Yxy	35.8052, 0.2578, 0.3210
Android (android.graphics.Color)	4285246641 (0xFF6BACB1)
YUV	153.1350, 11.7654, -40.4604
Hunter-Lab	59.8374, -18.9349, -4.6657

Details

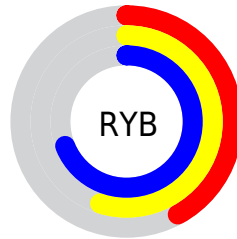
The Yxy color **35.8052, 0.2578, 0.3210** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.0078, 0.4067, 0.3367**, and the grayscale version is **31.8841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0514, 0.2683, 0.3230**, and **15.6451, 0.2416, 0.3197** is the 20% darker color. If you saturate the color by 10%, you get **34.3404, 0.2469, 0.3187**, and if you desaturate by 10%, it is **37.5019, 0.2702, 0.3232**.

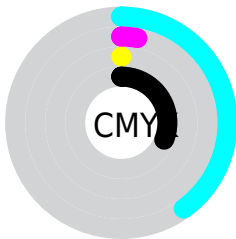
Distribution



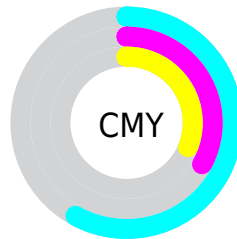
- Red (42%)
- Green (67%)
- Blue (69%)



- Red (42%)
- Yellow (55%)
- Blue (69%)



- Cyan (40%)
- Magenta (3%)
- Yellow (0%)
- Black (31%)





- Cyan (58%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8052, 0.2578, 0.3210 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 35.8052, 0.2578, 0.3210 by changing the saturation by 10% instead.


 35.8052, 0.2578,
0.3210

 35.8052, 0.2578,
0.3210

328.1083, 0.2860,
0.3257

 24.2838, 0.2506,
0.3196


 68.7313, 0.2682,
0.3229

 15.5443, 0.2411,
0.3176


 90.9048, 0.2721,
0.3236

 9.2022, 0.2284,
0.3146


 117.3977, 0.2753,
0.3241

 4.8733, 0.2103,
0.3098

 148.5945, 0.2781,
0.3245

 2.1731, 0.1827,
0.3011

184.8796, 0.2805,
0.3249

 0.7053, 0.0829,
0.2966

226.6373, 0.2825,

 0.0000, 0.0000,

0.3252

0.0000

274.2521, 0.2844,
0.3255

■ 35.8052, 0.2578,
0.3210

■ 35.8052, 0.2578,
0.3210

■ 34.3404, 0.2469,
0.3187

■ 37.5019, 0.2702,
0.3232

■ 33.0896, 0.2376,
0.3163

■ 39.4390, 0.2838,
0.3253

■ 32.0387, 0.2302,
0.3139


■ 41.6295, 0.2983,
0.3273

■ 31.1705, 0.2246,
0.3115

■ 44.0844, 0.3135,
0.3291


■ 30.4644, 0.2209,
0.3091

■ 46.8139, 0.3290,
0.3307


 29.8801, 0.2186,
0.3068

 49.8278, 0.3446,
0.3322

 29.8522, 0.2185,
0.3066

 53.1353, 0.3601,
0.3335

 56.7453, 0.3752,
0.3347

 58.4498, 0.3803,
0.3359

Harmonies

Analogous

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



35.8052, 0.2782, 0.3525



35.8052, 0.2578, 0.3210



35.8052, 0.2516, 0.2940

Triad

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



35.8052, 0.2578, 0.3210



35.8052, 0.3145, 0.2862



35.8052, 0.3665, 0.3798

Complementary

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



35.8052, 0.2578, 0.3210



22.0078, 0.4067, 0.3367

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.



35.8052, 0.3779, 0.3591



35.8052, 0.2578, 0.3210



35.8052, 0.3470, 0.3064

Square

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



35.8052, 0.2578, 0.3210



35.8052, 0.2830, 0.2759



35.8052, 0.3707, 0.3325



35.8052, 0.3407, 0.3876

Rectangle

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



35.8052, 0.2578, 0.3210



35.8052, 0.2559, 0.2821



35.8052, 0.3707, 0.3325



35.8052, 0.3722, 0.3740

Sweetspot

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



35.8066, 0.2578, 0.3210



73.4673, 0.2943, 0.3268



35.7315, 0.3039, 0.4396



15.8124, 0.2925, 0.3265



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



35.8066, 0.2578, 0.3210



61.9342, 0.2486, 0.3191



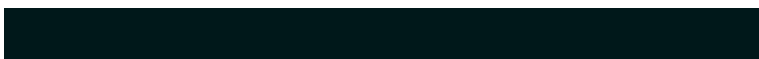
24.2977, 0.2490, 0.2631



9.5257, 0.2986, 0.3273



21.6706, 0.2186, 0.3069



0.7125, 0.2204, 0.3135

Inverse Universe

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



22.8520, 0.3229, 0.2393



35.8334, 0.3254, 0.2219



31.1777, 0.3865, 0.3866



8.6361, 0.3148, 0.3081



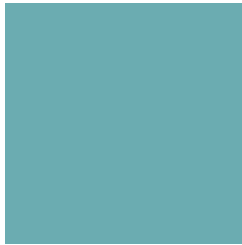
8.7278, 0.3394, 0.1643



0.2777, 0.3337, 0.1612

Previews

White Background



This preview shows how the Yxy color 35.8052, 0.2578, 0.3210 looks on a white background.

Color Contrast Check

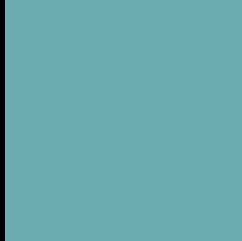
Large Text (above 18pt) WCAG AA × Fail

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 35.8052, 0.2578, 0.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

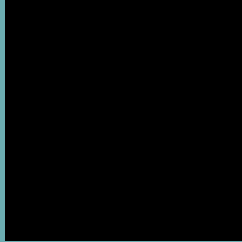
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8052, 0.2578, 0.3210

Background



This preview shows how black text looks on a background with the Yxy color 35.8052, 0.2578, 0.3210.

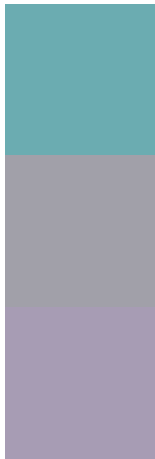


This preview shows how white text looks on a background with the Yxy color 35.8052, 0.2578, 0.3210.

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

35.8052, 0.2578, 0.3210

Protanopia

35.5833, 0.3058, 0.3160

Deuteranopia

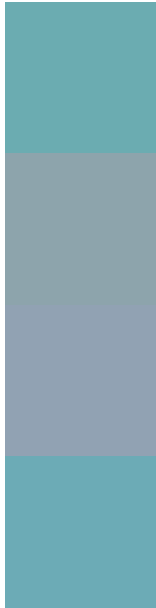
35.2877, 0.3019, 0.2954



Tritanopia

35.8798, 0.2537, 0.3073

Trichromacy



Original Color

35.8052, 0.2578, 0.3210

Protanomaly

35.1922, 0.2855, 0.3169

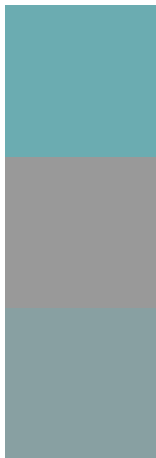
Deuteranomaly

35.1151, 0.2833, 0.3039

Tritanomaly

35.6914, 0.2550, 0.3117

Monochromacy



Original Color

35.8052, 0.2578, 0.3210

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.9845, 0.2889, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8052, 0.2578, 0.3210 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(107, 172, 177)` looks like.

```
.text, #text, p{  
    color:rgb(107, 172, 177)  
}
```

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(107, 172, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 172, 177) }
```

Border

The CSS property to change the border of an element to Yxy 35.8052, 0.2578, 0.3210 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(107, 172, 177) }
```

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

```
.border{ border-color:rgb(107, 172, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 172, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 172, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 172, 177);  
box-shadow:4px 4px 4px 4px rgb(107, 172,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8052, 0.2578, 0.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 172, 177) }
```

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

```
.background{ background-color: rgb(107,  
172, 177) }
```

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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