

Converting Colors

$Yxy(40.9646, 0.2390, 0.3148)$

Have a look what the booklet for
Yxy(40.9646, 0.2390, 0.3148)
contains.

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Color

Yxy(40.9428, 0.2391, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	54BAC3
RGB	84, 186, 195
RGB Percent	33%, 73%, 76%
CMY	0.6710, 0.2705, 0.2353
CMYK	0.57, 0.05, 0.00, 0.24
HSL	185°, 48%, 55%
HSV	185°, 57%, 76%
XYZ	31.0578, 40.9428, 57.8941
YIQ	156.5280, -63.6810, -18.8250

Conversions

Conversions Part 2

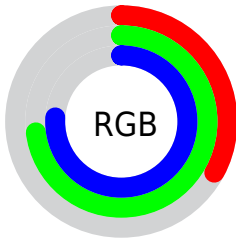
Format	Color
R_{YB}	84, 137, 195
Decimal	5552835
CIE _{Lab}	70.14, -26.89, -13.52
CIE _{LCh}	70, 30.094, 206.690
Yxy	40.9428, 0.2391, 0.3152
Android (android.graphics.Color)	4283742915 (0xFF54BAC3)
YUV	156.5280, 18.9667, -63.6071
Hunter-Lab	63.9866, -25.3361, -8.8541

Details

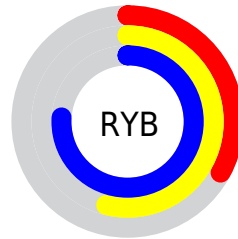
The Yxy color **40.9428, 0.2391, 0.3152** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **20.0476, 0.4762, 0.3409**, and the grayscale version is **33.4178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3722, 0.2520, 0.3173**, and **18.4256, 0.2193, 0.3094** is the 20% darker color. If you saturate the color by 10%, you get **39.5069, 0.2311, 0.3124**, and if you desaturate by 10%, it is **42.6394, 0.2489, 0.3179**.

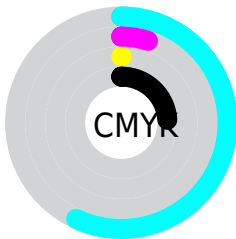
Distribution



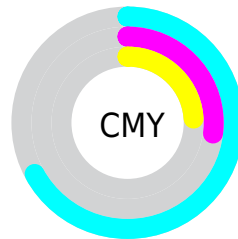
- Red (33%)
- Green (73%)
- Blue (76%)



- Red (33%)
- Yellow (54%)
- Blue (76%)



- Cyan (57%)
- Magenta (5%)
- Yellow (0%)
- Black (24%)





- Cyan (67%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.9428, 0.2391, 0.3152 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 40.9428, 0.2391, 0.3152 by changing the saturation by 10% instead.


 40.9428, 0.2391,
0.3152


 40.9428, 0.2391,
0.3152


350.0815, 0.2757,
0.3232

 28.2744, 0.2301,
0.3128


 76.5971, 0.2523,
0.3184


 18.5326, 0.2186,
0.3096


 100.3517, 0.2573,
0.3195

 11.3330, 0.2036,
0.3049

 128.5705, 0.2616,
0.3204

 6.2913, 0.1830,
0.2978

 161.6380, 0.2652,
0.3212

 3.0230, 0.1538,
0.2857

199.9384, 0.2683,
0.3218

 1.1438, 0.0956,
0.2666

243.8562, 0.2711,

 0.0150, 0.0000,

0.3223

0.0154

293.7757, 0.2735,
0.3228

0.0000, 0.0000,
0.0000

40.9428, 0.2391,
0.3152

40.9428, 0.2391,
0.3152

39.5069, 0.2311,
0.3124

42.6394, 0.2489,
0.3179

38.3057, 0.2250,
0.3097

44.6111, 0.2604,
0.3205

37.3158, 0.2208,
0.3069

46.8764, 0.2732,
0.3230

36.5032, 0.2182,
0.3042

49.4512, 0.2872,
0.3254

36.2734, 0.2176,
0.3034

52.3500, 0.3020,
0.3276

■ 55.5864, 0.3174,
0.3296

■ 59.1733, 0.3330,
0.3314

■ 63.1229, 0.3487,
0.3330

■ 66.6038, 0.3606,
0.3345

Harmonies

Analogous

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



40.9428, 0.2646, 0.3586



40.9428, 0.2391, 0.3152



40.9428, 0.2322, 0.2801

Triad

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



40.9428, 0.2391, 0.3152



40.9428, 0.3169, 0.2739



40.9428, 0.3830, 0.3974

Complementary

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



40.9428, 0.2391, 0.3152



20.0476, 0.4762, 0.3409

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.



40.9428, 0.4001, 0.3694



40.9428, 0.2391, 0.3152



40.9428, 0.3607, 0.3005

Square

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



40.9428, 0.2391, 0.3152



40.9428, 0.2747, 0.2596



40.9428, 0.3921, 0.3344



40.9428, 0.3473, 0.4084

Rectangle

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



40.9428, 0.2391, 0.3152



40.9428, 0.2385, 0.2655



40.9428, 0.3921, 0.3344



40.9428, 0.3912, 0.3894

Sweetspot

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



40.9444, 0.2391, 0.3152



88.4291, 0.2868, 0.3253



41.6701, 0.3004, 0.4995



19.1486, 0.2839, 0.3249



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.



40.9444, 0.2391, 0.3152



70.2782, 0.2297, 0.3119



22.3333, 0.2200, 0.2259



11.2846, 0.2984, 0.3271



23.6344, 0.2177, 0.3038



1.0631, 0.2194, 0.3098

Inverse Universe

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



21.4721, 0.3295, 0.2049



32.8390, 0.3335, 0.1864



33.0623, 0.4287, 0.4107



10.2330, 0.3150, 0.3081



9.6681, 0.3421, 0.1658



0.4220, 0.3369, 0.1629

Previews

White Background



This preview shows how the Yxy color 40.9428, 0.2391, 0.3152 looks on a white background.

Color Contrast Check

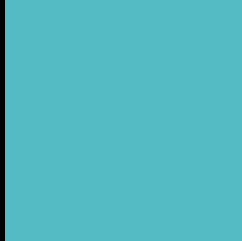
Large Text (above 18pt) WCAG AA × Fail

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 40.9428, 0.2391, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

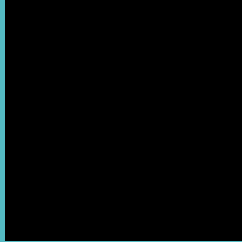
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

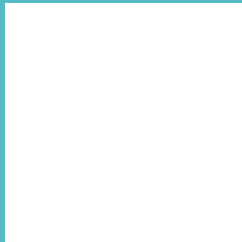
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9428, 0.2391, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 40.9428, 0.2391, 0.3152.

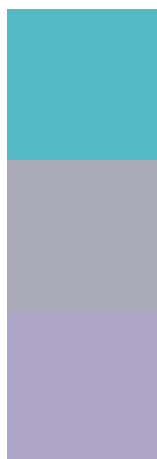


This preview shows how white text looks on a background with the Yxy color 40.9428, 0.2391, 0.3152.

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

40.9428, 0.2391, 0.3152

Protanopia

40.2716, 0.3003, 0.3085

Deuteranopia

40.2802, 0.2918, 0.2855



Tritanopia

40.8465, 0.2371, 0.3064

Trichromacy



Original Color

40.9428, 0.2391, 0.3152

Protanomaly

39.6941, 0.2726, 0.3102

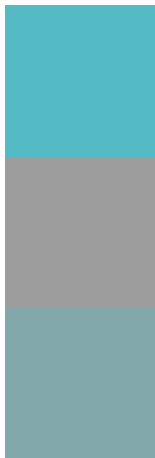
Deuteranomaly

39.6271, 0.2677, 0.2937

Tritanomaly

40.7064, 0.2377, 0.3093

Monochromacy



Original Color

40.9428, 0.2391, 0.3152

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.6914, 0.2777, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9428, 0.2391, 0.3152 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(84, 186, 195)` looks like.

```
.text, #text, p{  
    color:rgb(84, 186, 195)  
}
```

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(84, 186, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 186, 195) }
```

Border

The CSS property to change the border of an element to Yxy 40.9428, 0.2391, 0.3152 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(84, 186, 195) }
```

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

```
.border{ border-color:rgb(84, 186, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 186, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 186, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 186, 195);  
box-shadow:4px 4px 4px 4px rgb(84, 186,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9428, 0.2391, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 186, 195) }
```

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

```
.background{ background-color: rgb(84, 186,  
195) }
```

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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