

Converting Colors

$Y_{xy}(45.4084, 0.2579, 0.3189)$

Have a look what the booklet for
Yxy(45.4084, 0.2579, 0.3189)
contains.

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Color

Yxy(45.4038, 0.2578, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	79BFC6
RGB	121, 191, 198
RGB Percent	47%, 75%, 78%
CMY	0.5257, 0.2509, 0.2234
CMYK	0.39, 0.04, 0.00, 0.22
HSL	185°, 40%, 63%
HSV	185°, 39%, 78%
XYZ	36.7046, 45.4038, 60.2679
YIQ	170.8680, -43.9670, -12.6630

Conversions

Conversions Part 2

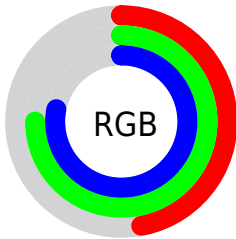
Format	Color
RYB	121, 158, 198
Decimal	7978950
CIELab	73.16, -20.19, -10.49
CIElCh	73, 22.753, 207.463
Yxy	45.4038, 0.2578, 0.3189
Android (android.graphics.Color)	4286169030 (0xFF79BFC6)
YUV	170.8680, 13.3761, -43.7342
Hunter-Lab	67.3823, -20.6863, -5.8623

Details

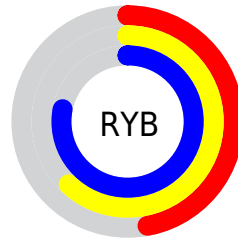
The Yxy color **45.4038, 0.2578, 0.3189** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.8140, 0.4049, 0.3386**, and the grayscale version is **40.5984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7019, 0.2677, 0.3213**, and **21.0632, 0.2426, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **43.3388, 0.2465, 0.3159**, and if you desaturate by 10%, it is **47.7757, 0.2705, 0.3218**.

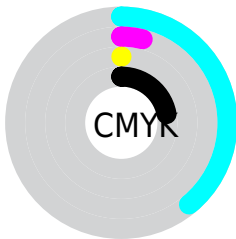
Distribution



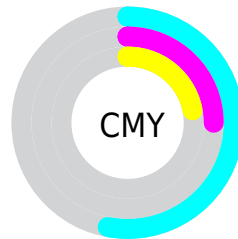
- Red (47%)
- Green (75%)
- Blue (78%)



- Red (47%)
- Yellow (62%)
- Blue (78%)



- Cyan (39%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (53%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.4038, 0.2578, 0.3189 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 45.4038, 0.2578, 0.3189 by changing the saturation by 10% instead.

■ 45.4038, 0.2578,
0.3189

■ 45.4038, 0.2578,
0.3189

■ 368.4065, 0.2849,
0.3245

■ 31.7756, 0.2512,
0.3173

■ 83.3260, 0.2675,
0.3211

■ 21.1902, 0.2428,
0.3152

■ 108.3888, 0.2712,
0.3218

■ 13.2631, 0.2317,
0.3122

■ 138.0320, 0.2744,
0.3225

■ 7.6100, 0.2166,
0.3078

■ 172.6399, 0.2771,
0.3230

■ 3.8464, 0.1949,
0.3005

■ 212.5969, 0.2794,
0.3235

■ 1.5880, 0.1613,
0.2869

■ 258.2874, 0.2815,

■ 0.3495, 0.0000,

0.3239

0.2375

310.0958, 0.2833,
0.3242

0.0000, 0.0000,
0.0000

45.4038, 0.2578,
0.3189

45.4038, 0.2578,
0.3189

43.3388, 0.2465,
0.3159

47.7757, 0.2705,
0.3218

41.5570, 0.2370,
0.3128

50.4656, 0.2844,
0.3244

40.0403, 0.2292,
0.3097

53.4907, 0.2991,
0.3269

38.7657, 0.2233,
0.3066

56.8653, 0.3144,
0.3292

37.7063, 0.2194,
0.3035

60.6030, 0.3300,
0.3313

■ 36.8172, 0.2169,
0.3004

■ 64.7164, 0.3456,
0.3332

■ 36.7252, 0.2167,
0.3001

■ 68.3430, 0.3574,
0.3349

■ 69.2021, 0.3570,
0.3368

■ 70.0711, 0.3566,
0.3386

Harmonies

Analogous

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



45.4038, 0.2769, 0.3498



45.4038, 0.2578, 0.3189



45.4038, 0.2528, 0.2931

Triad

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



45.4038, 0.2578, 0.3189



45.4038, 0.3170, 0.2882



45.4038, 0.3640, 0.3800

Complementary

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



45.4038, 0.2578, 0.3189



28.8140, 0.4049, 0.3386

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.



45.4038, 0.3764, 0.3605



45.4038, 0.2578, 0.3189



45.4038, 0.3486, 0.3087

Square

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



45.4038, 0.2578, 0.3189



45.4038, 0.2857, 0.2772



45.4038, 0.3708, 0.3346



45.4038, 0.3379, 0.3863

Rectangle

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



45.4038, 0.2578, 0.3189



45.4038, 0.2578, 0.2820



45.4038, 0.3708, 0.3346



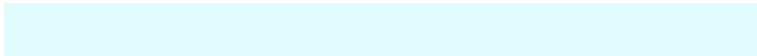
45.4038, 0.3700, 0.3746

Sweetspot

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



45.4056, 0.2578, 0.3189



92.8883, 0.2942, 0.3262



46.0009, 0.3031, 0.4367



19.7281, 0.2923, 0.3258



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.



45.4056, 0.2578, 0.3189



77.1444, 0.2478, 0.3163



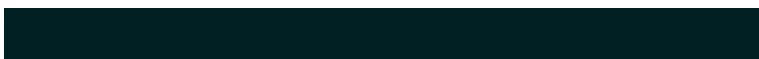
30.9408, 0.2492, 0.2616



11.8962, 0.2984, 0.3268



23.9433, 0.2168, 0.3005



1.1831, 0.2186, 0.3069

Inverse Universe

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



29.4316, 0.3244, 0.2415



45.1675, 0.3275, 0.2232



40.6260, 0.3852, 0.3878



10.7993, 0.3151, 0.3083



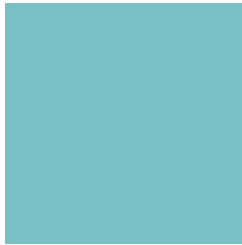
9.9571, 0.3450, 0.1674



0.4765, 0.3394, 0.1643

Previews

White Background



This preview shows how the Yxy color 45.4038, 0.2578, 0.3189 looks on a white background.

Color Contrast Check

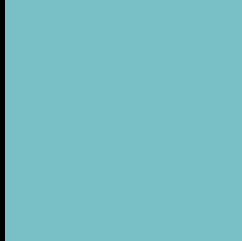
Large Text (above 18pt) WCAG AA × Fail

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 45.4038, 0.2578, 0.3189 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

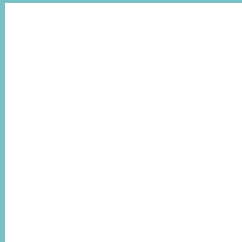
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.4038, 0.2578, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 45.4038, 0.2578, 0.3189.

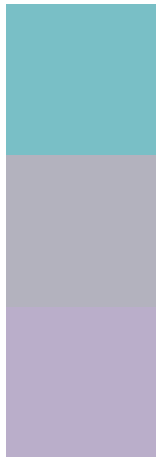


This preview shows how white text looks on a background with the Yxy color 45.4038, 0.2578, 0.3189.

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

45.4038, 0.2578, 0.3189

Protanopia

45.1422, 0.3041, 0.3133

Deuteranopia

44.9755, 0.3007, 0.2937



Tritanopia

45.4456, 0.2548, 0.3079

Trichromacy



Original Color

45.4038, 0.2578, 0.3189

Protanomaly

44.9863, 0.2851, 0.3154

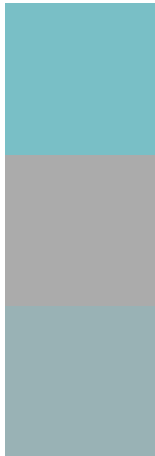
Deuteranomaly

44.5409, 0.2823, 0.3010

Tritanomaly

45.2288, 0.2559, 0.3120

Monochromacy



Original Color

45.4038, 0.2578, 0.3189

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.9493, 0.2895, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4038, 0.2578, 0.3189 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(121, 191, 198)` looks like.

```
.text, #text, p{  
    color:rgb(121, 191, 198)  
}
```

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(121, 191, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 191, 198) }
```

Border

The CSS property to change the border of an element to Yxy 45.4038, 0.2578, 0.3189 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(121, 191, 198) }
```

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

```
.border{ border-color:rgb(121, 191, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 191, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 191, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 191, 198);  
box-shadow:4px 4px 4px 4px rgb(121, 191,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4038, 0.2578, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 191, 198) }
```

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

```
.background{ background-color: rgb(121,  
191, 198) }
```

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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