

Converting Colors

$Y_{xy}(45.8223, 0.2625, 0.3149)$

Have a look what the booklet for
Yxy(45.8223, 0.2625, 0.3149)
contains.

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Color

Yxy(45.8223, 0.2625, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	83BEC8
RGB	131, 190, 200
RGB Percent	51%, 75%, 78%
CMY	0.4864, 0.2549, 0.2156
CMYK	0.35, 0.05, 0.00, 0.22
HSL	189°, 39%, 65%
HSV	189°, 35%, 78%
XYZ	38.1974, 45.8223, 61.4941
YIQ	173.4990, -38.3740, -9.3980

Conversions

Conversions Part 2

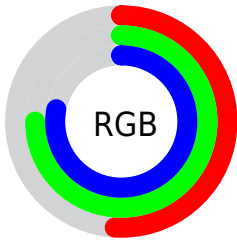
Format	Color
RYB	131, 163, 200
Decimal	8634056
CIELab	73.43, -16.50, -11.13
CIElCh	73, 19.898, 214.006
Yxy	45.8223, 0.2625, 0.3149
Android (android.graphics.Color)	4286824136 (0xFF83BEC8)
YUV	173.4990, 13.0650, -37.2716
Hunter-Lab	67.6922, -17.7372, -6.4768

Details

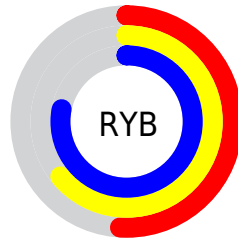
The Yxy color **45.8223, 0.2625, 0.3149** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.9685, 0.3890, 0.3425**, and the grayscale version is **42.0018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5706, 0.2722, 0.3192**, and **21.5863, 0.2492, 0.3114** is the 20% darker color. If you saturate the color by 10%, you get **43.1332, 0.2500, 0.3102**, and if you desaturate by 10%, it is **48.8483, 0.2761, 0.3194**.

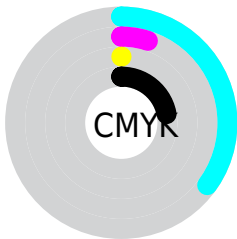
Distribution



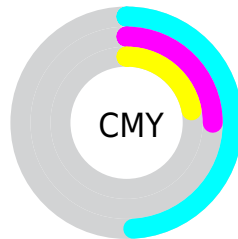
- Red (51%)
- Green (75%)
- Blue (78%)



- Red (51%)
- Yellow (64%)
- Blue (78%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (22%)





- Cyan (49%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8223, 0.2625, 0.3149 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 45.8223, 0.2625, 0.3149 by changing the saturation by 10% instead.


 45.8223, 0.2625,
0.3149


 45.8223, 0.2625,
0.3149


370.0938, 0.2873,
0.3224


 32.1056, 0.2564,
0.3129


 83.9530, 0.2714,
0.3177

 21.4422, 0.2487,
0.3102


 109.1358, 0.2748,
0.3188

 13.4476, 0.2386,
0.3066


 138.9094, 0.2776,
0.3196

 7.7375, 0.2248,
0.3012

173.6583, 0.2801,
0.3204

 3.9274, 0.2049,
0.2928

213.7667, 0.2822,
0.3210

 1.6331, 0.1739,
0.2778

259.6192, 0.2841,

 0.3797, 0.0000,

0.3215

0.2389

311.6001, 0.2858,
0.3220

0.0000, 0.0000,
0.0000

45.8223, 0.2625,
0.3149

45.8223, 0.2625,
0.3149

43.1332, 0.2500,
0.3102

48.8483, 0.2761,
0.3194

40.7578, 0.2391,
0.3052

52.2225, 0.2907,
0.3235

38.6779, 0.2298,
0.3002

55.9618, 0.3058,
0.3274

36.8715, 0.2224,
0.2950

60.0809, 0.3212,
0.3309

35.3129, 0.2169,
0.2899

64.5931, 0.3366,
0.3340

■ 33.9709, 0.2132,
0.2848

■ 69.5116, 0.3519,
0.3368

■ 33.2963, 0.2117,
0.2820

■ 71.6890, 0.3544,
0.3397

■ 73.1388, 0.3538,
0.3426

■ 74.6148, 0.3532,
0.3456

Harmonies

Analogous

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



45.8223, 0.2769, 0.3413



45.8223, 0.2625, 0.3149



45.8223, 0.2609, 0.2940

Triad

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



45.8223, 0.2625, 0.3149



45.8223, 0.3228, 0.2965



45.8223, 0.3534, 0.3759

Complementary

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



45.8223, 0.2625, 0.3149



32.9685, 0.3890, 0.3425

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.



45.8223, 0.3671, 0.3612



45.8223, 0.2625, 0.3149



45.8223, 0.3492, 0.3160

Square

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



45.8223, 0.2625, 0.3149



45.8223, 0.2947, 0.2847



45.8223, 0.3657, 0.3393



45.8223, 0.3290, 0.3779

Rectangle

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



45.8223, 0.2625, 0.3149



45.8223, 0.2672, 0.2858



45.8223, 0.3657, 0.3393



45.8223, 0.3595, 0.3722

Sweetspot

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



45.8241, 0.2625, 0.3149



93.1414, 0.2972, 0.3253



48.0447, 0.3020, 0.4173



19.7413, 0.2951, 0.3247



0.0000, 0.0000, 0.0000



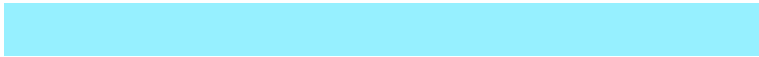
21.4041, 0.3127, 0.3290

Same Dimension

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



45.8241, 0.2625, 0.3149



75.9634, 0.2536, 0.3116



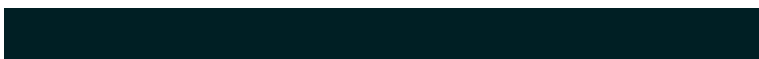
32.8684, 0.2560, 0.2652



11.7950, 0.2984, 0.3256



21.2650, 0.2119, 0.2827



1.0805, 0.2148, 0.2933

Inverse Universe

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



32.2250, 0.3267, 0.2553



49.4974, 0.3302, 0.2406



44.4679, 0.3742, 0.3852



10.7891, 0.3159, 0.3095



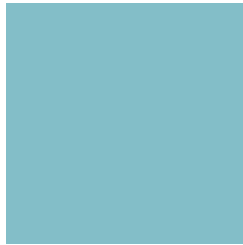
9.6867, 0.3609, 0.1762



0.4661, 0.3514, 0.1709

Previews

White Background



This preview shows how the Yxy color 45.8223, 0.2625, 0.3149 looks on a white background.

Color Contrast Check

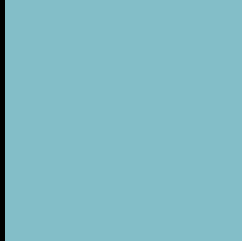
Large Text (above 18pt) WCAG AA × Fail

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 45.8223, 0.2625, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

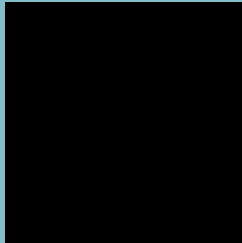
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8223, 0.2625, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 45.8223, 0.2625, 0.3149.



This preview shows how white text looks on a background with the Yxy color 45.8223, 0.2625, 0.3149.

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

45.8223, 0.2625, 0.3149

Protanopia

45.6742, 0.3017, 0.3108

Deuteranopia

45.4108, 0.2999, 0.2937



Tritanopia

45.7085, 0.2600, 0.3068

Trichromacy



Original Color

45.8223, 0.2625, 0.3149

Protanomaly

45.5339, 0.2860, 0.3116

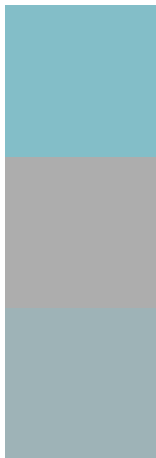
Deuteranomaly

45.0138, 0.2846, 0.3000

Tritanomaly

45.6125, 0.2612, 0.3095

Monochromacy



Original Color

45.8223, 0.2625, 0.3149

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.9282, 0.2921, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8223, 0.2625, 0.3149 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(131, 190, 200)` looks like.

```
.text, #text, p{  
    color:rgb(131, 190, 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(131, 190, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 190, 200) }
```

Border

The CSS property to change the border of an element to Yxy 45.8223, 0.2625, 0.3149 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(131, 190, 200) }
```

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

```
.border{ border-color:rgb(131, 190, 200) }
```

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

Here you see how a box with a 4 pixel rgb(131, 190, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 190, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 190, 200);  
box-shadow:4px 4px 4px 4px rgb(131, 190,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8223, 0.2625, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 190, 200) }
```

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

```
.background{ background-color: rgb(131,  
190, 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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