

Converting Colors

$Y_{xy}(45.0890, 0.2622, 0.3108)$

Have a look what the booklet for
Yxy(45.0890, 0.2622, 0.3108)
contains.

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Color

Yxy(45.0890, 0.2622, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	84BCC9
RGB	132, 188, 201
RGB Percent	52%, 74%, 79%
CMY	0.4824, 0.2627, 0.2118
CMYK	0.34, 0.06, 0.00, 0.21
HSL	191°, 39%, 65%
HSV	191°, 34%, 79%
XYZ	38.0384, 45.0890, 61.9466
YIQ	172.7380, -37.5490, -7.8290

Conversions

Conversions Part 2

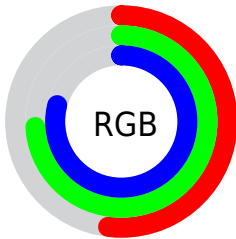
Format	Color
RYB	132, 163, 201
Decimal	8699081
CIELab	72.95, -14.94, -12.36
CIELCh	73, 19.391, 219.600
Yxy	45.0890, 0.2622, 0.3108
Android (android.graphics.Color)	4286889161 (0xFF84BCC9)
YUV	172.7380, 13.9332, -35.7272
Hunter-Lab	67.1483, -16.3924, -7.6932

Details

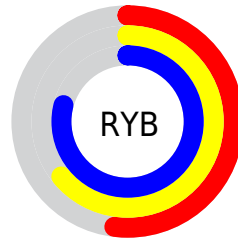
The Yxy color **45.0890, 0.2622, 0.3108** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.3216, 0.3871, 0.3463**, and the grayscale version is **41.5902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4862, 0.2725, 0.3170**, and **21.0968, 0.2485, 0.3056** is the 20% darker color. If you saturate the color by 10%, you get **42.0295, 0.2493, 0.3046**, and if you desaturate by 10%, it is **48.5065, 0.2762, 0.3166**.

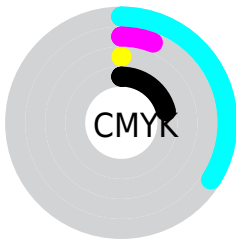
Distribution



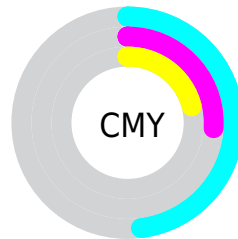
- Red (52%)
- Green (74%)
- Blue (79%)



- Red (52%)
- Yellow (64%)
- Blue (79%)



- Cyan (34%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)





- Cyan (48%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0890, 0.2622, 0.3108 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 45.0890, 0.2622, 0.3108 by changing the saturation by 10% instead.


 45.0890, 0.2622,
0.3108

 45.0890, 0.2622,
0.3108


367.1339, 0.2872,
0.3204

 31.5275, 0.2561,
0.3083

 82.8539, 0.2712,
0.3144

 21.0009, 0.2483,
0.3050


 107.8262, 0.2746,
0.3157

 13.1246, 0.2381,
0.3004

 137.3709, 0.2775,
0.3168

 7.5144, 0.2241,
0.2938

171.8723, 0.2800,
0.3177

 3.7859, 0.2038,
0.2836

211.7150, 0.2821,
0.3185

 1.5545, 0.1723,
0.2658

257.2832, 0.2840,

 0.3266, 0.0000,

0.3192

0.2081

308.9614, 0.2857,
0.3198

0.0000, 0.0000,
0.0000

45.0890, 0.2622,
0.3108

45.0890, 0.2622,
0.3108

42.0295, 0.2493,
0.3046

48.5065, 0.2762,
0.3166

39.3044, 0.2378,
0.2981

52.2935, 0.2909,
0.3220

36.8952, 0.2279,
0.2914

56.4675, 0.3061,
0.3270

34.7794, 0.2198,
0.2846

61.0432, 0.3214,
0.3315

32.9310, 0.2137,
0.2778

66.0345, 0.3367,
0.3355

■ 31.3183, 0.2094,
0.2711

■ 71.4547, 0.3517,
0.3391

■ 30.4755, 0.2076,
0.2673

■ 73.8076, 0.3528,
0.3429

■ 75.7489, 0.3521,
0.3467

■ 77.7350, 0.3513,
0.3505

Harmonies

Analogous

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



45.0890, 0.2741, 0.3362



45.0890, 0.2622, 0.3108



45.0890, 0.2631, 0.2920

Triad

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



45.0890, 0.2622, 0.3108



45.0890, 0.3278, 0.3002



45.0890, 0.3488, 0.3764

Complementary

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



45.0890, 0.2622, 0.3108



34.3216, 0.3871, 0.3463

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.



45.0890, 0.3646, 0.3640



45.0890, 0.2622, 0.3108



45.0890, 0.3524, 0.3204

Square

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



45.0890, 0.2622, 0.3108



45.0890, 0.3000, 0.2870



45.0890, 0.3660, 0.3434



45.0890, 0.3236, 0.3756

Rectangle

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



45.0890, 0.2622, 0.3108



45.0890, 0.2708, 0.2852



45.0890, 0.3660, 0.3434



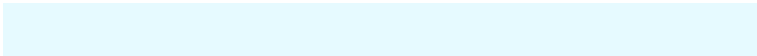
45.0890, 0.3554, 0.3735

Sweetspot

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



45.0908, 0.2622, 0.3108



92.4583, 0.2972, 0.3242



48.7042, 0.2998, 0.4115



19.5750, 0.2951, 0.3235



0.0000, 0.0000, 0.0000



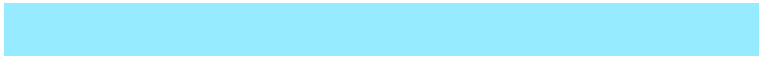
21.4041, 0.3127, 0.3290

Same Dimension

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



45.0908, 0.2622, 0.3108



73.3557, 0.2527, 0.3064



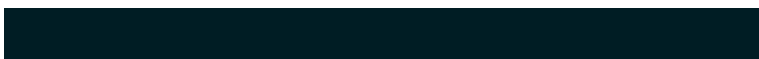
32.1787, 0.2556, 0.2604



11.7153, 0.2984, 0.3246



19.2911, 0.2079, 0.2682



1.0036, 0.2117, 0.2822

Inverse Universe

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



32.5462, 0.3296, 0.2590



49.2342, 0.3341, 0.2446



46.3760, 0.3724, 0.3890



10.7811, 0.3166, 0.3104



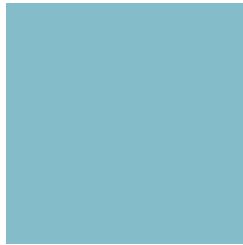
9.4874, 0.3745, 0.1837



0.4583, 0.3614, 0.1765

Previews

White Background



This preview shows how the Yxy color 45.0890, 0.2622, 0.3108 looks on a white background.

Color Contrast Check

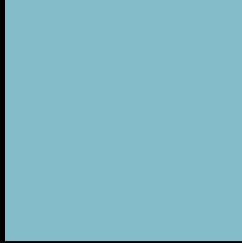
Large Text (above 18pt) WCAG AA × Fail

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 45.0890, 0.2622, 0.3108 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 45.0890, 0.2622, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 45.0890, 0.2622, 0.3108.



This preview shows how white text looks on a background with the Yxy color 45.0890, 0.2622, 0.3108.

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

45.0890, 0.2622, 0.3108

Protanopia

44.6864, 0.2993, 0.3068

Deuteranopia

44.8221, 0.2974, 0.2911



Tritanopia

45.1838, 0.2610, 0.3081

Trichromacy



Original Color

45.0890, 0.2622, 0.3108

Protanomaly

44.6560, 0.2844, 0.3075

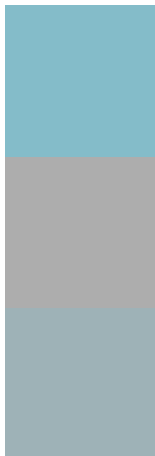
Deuteranomaly

44.5513, 0.2831, 0.2973

Tritanomaly

45.1362, 0.2616, 0.3094

Monochromacy



Original Color

45.0890, 0.2622, 0.3108

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.5288, 0.2920, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0890, 0.2622, 0.3108 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(132, 188, 201)` looks like.

```
.text, #text, p{  
    color:rgb(132, 188, 201)  
}
```

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(132, 188, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 188, 201) }
```

Border

The CSS property to change the border of an element to Yxy 45.0890, 0.2622, 0.3108 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(132, 188, 201) }
```

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

```
.border{ border-color:rgb(132, 188, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 188, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 188, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 188, 201);  
box-shadow:4px 4px 4px 4px rgb(132, 188,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0890, 0.2622, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 188, 201) }
```

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

```
.background{ background-color: rgb(132,  
188, 201) }
```

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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