

Converting Colors

$Yxy(45.2487, 0.2593, 0.3107)$

Have a look what the booklet for
Yxy(45.2487, 0.2593, 0.3107)
contains.

Yxy(45.2487, 0.2593, 0.3107)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.2487, 0.2593, 0.3107)

Conversions

Conversions Part 1

Format	Color
Hex	80BDCA
RGB	128, 189, 202
RGB Percent	50%, 74%, 79%
CMY	0.4979, 0.2588, 0.2078
CMYK	0.37, 0.06, 0.00, 0.21
HSL	191°, 41%, 65%
HSV	191°, 37%, 79%
XYZ	37.7631, 45.2487, 62.6229
YIQ	172.2430, -40.5290, -8.8890

Conversions

Conversions Part 2

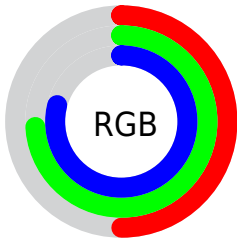
Format	Color
RYB	128, 161, 202
Decimal	8437194
CIELab	73.06, -16.28, -12.78
CIElCh	73, 20.700, 218.126
Yxy	45.2487, 0.2593, 0.3107
Android (android.graphics.Color)	4286627274 (0xFF80BDCA)
YUV	172.2430, 14.6702, -38.8011
Hunter-Lab	67.2672, -17.5095, -8.1095

Details

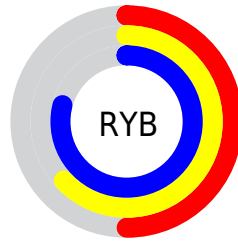
The Yxy color **45.2487, 0.2593, 0.3107** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.1750, 0.3944, 0.3463**, and the grayscale version is **41.3275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5921, 0.2705, 0.3181**, and **21.2023, 0.2446, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **42.3273, 0.2468, 0.3049**, and if you desaturate by 10%, it is **48.5229, 0.2730, 0.3162**.

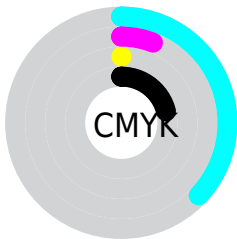
Distribution



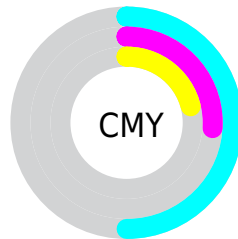
- Red (50%)
- Green (74%)
- Blue (79%)



- Red (50%)
- Yellow (63%)
- Blue (79%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)





- Cyan (50%)
- Magenta (26%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2487, 0.2593, 0.3107 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 45.2487, 0.2593, 0.3107 by changing the saturation by 10% instead.


 45.2487, 0.2593,
0.3107


 45.2487, 0.2593,
0.3107


367.7799, 0.2856,
0.3204


 31.6534, 0.2529,
0.3081


 83.0935, 0.2688,
0.3143

 21.0969, 0.2447,
0.3048


 108.1117, 0.2724,
0.3157

 13.1948, 0.2339,
0.3001

 137.7064, 0.2754,
0.3168

 7.5628, 0.2193,
0.2934

172.2619, 0.2780,
0.3177

 3.8165, 0.1982,
0.2829

212.1626, 0.2803,
0.3185

 1.5715, 0.1656,
0.2646

257.7929, 0.2823,

 0.3382, 0.0000,

0.3192

0.2073

309.5372, 0.2841,
0.3198

0.0000, 0.0000,
0.0000

45.2487, 0.2593,
0.3107

45.2487, 0.2593,
0.3107

42.3273, 0.2468,
0.3049

48.5229, 0.2730,
0.3162

39.7346, 0.2358,
0.2988

52.1618, 0.2875,
0.3214

37.4513, 0.2265,
0.2925

56.1835, 0.3026,
0.3261

35.4542, 0.2190,
0.2862

60.6028, 0.3179,
0.3304

33.7157, 0.2135,
0.2799

65.4341, 0.3333,
0.3343

■ 32.2002, 0.2098,
0.2736

■ 70.6907, 0.3484,
0.3377

■ 31.7165, 0.2088,
0.2715

■ 73.5456, 0.3522,
0.3412

■ 75.3612, 0.3515,
0.3448

■ 77.2163, 0.3508,
0.3484

Harmonies

Analogous

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



45.2487, 0.2725, 0.3380



45.2487, 0.2593, 0.3107



45.2487, 0.2596, 0.2903

Triad

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



45.2487, 0.2593, 0.3107



45.2487, 0.3273, 0.2975



45.2487, 0.3522, 0.3792

Complementary

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



45.2487, 0.2593, 0.3107



33.1750, 0.3944, 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.



45.2487, 0.3685, 0.3652



45.2487, 0.2593, 0.3107



45.2487, 0.3540, 0.3186

Square

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



45.2487, 0.2593, 0.3107



45.2487, 0.2977, 0.2839



45.2487, 0.3693, 0.3430



45.2487, 0.3257, 0.3793

Rectangle

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



45.2487, 0.2593, 0.3107



45.2487, 0.2673, 0.2828



45.2487, 0.3693, 0.3430



45.2487, 0.3591, 0.3758

Sweetspot

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



45.2505, 0.2593, 0.3107



91.9568, 0.2957, 0.3240



48.7384, 0.2998, 0.4200



19.4827, 0.2936, 0.3234



0.0000, 0.0000, 0.0000



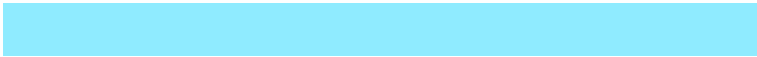
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2505, 0.2593, 0.3107



72.6164, 0.2492, 0.3061



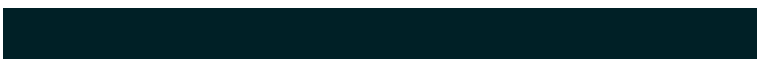
31.5349, 0.2517, 0.2568



12.3784, 0.2983, 0.3248



20.5251, 0.2090, 0.2723



1.1492, 0.2124, 0.2846

Inverse Universe

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



31.6760, 0.3301, 0.2534



46.8590, 0.3349, 0.2375



45.6970, 0.3775, 0.3917



11.3686, 0.3164, 0.3101



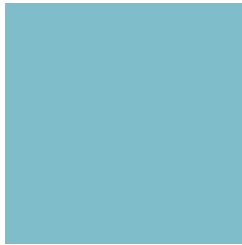
9.8750, 0.3706, 0.1815



0.5186, 0.3593, 0.1753

Previews

White Background



This preview shows how the Yxy color 45.2487, 0.2593, 0.3107 looks on a white background.

Color Contrast Check

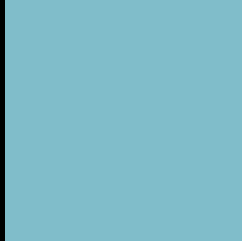
Large Text (above 18pt) WCAG AA × Fail

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 45.2487, 0.2593, 0.3107 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

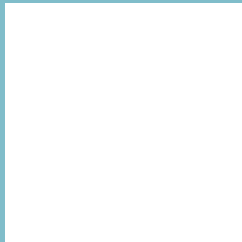
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2487, 0.2593, 0.3107

Background



This preview shows how black text looks on a background with the Yxy color 45.2487, 0.2593, 0.3107.



This preview shows how white text looks on a background with the Yxy color 45.2487, 0.2593, 0.3107.

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

45.2487, 0.2593, 0.3107

Protanopia

44.7315, 0.2985, 0.3056

Deuteranopia

44.7472, 0.2958, 0.2898



Tritanopia

45.4220, 0.2587, 0.3080

Trichromacy



Original Color

45.2487, 0.2593, 0.3107

Protanomaly

44.4959, 0.2822, 0.3061

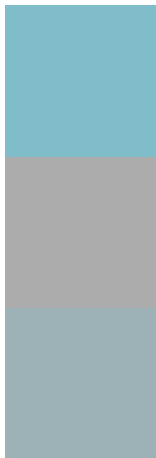
Deuteranomaly

44.3864, 0.2809, 0.2959

Tritanomaly

45.3741, 0.2593, 0.3094

Monochromacy



Original Color

45.2487, 0.2593, 0.3107

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.3276, 0.2904, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2487, 0.2593, 0.3107 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(128, 189, 202)` looks like.

```
.text, #text, p{  
    color:rgb(128, 189, 202)  
}
```

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(128, 189, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 189, 202) }
```

Border

The CSS property to change the border of an element to Yxy 45.2487, 0.2593, 0.3107 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(128, 189, 202) }
```

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

```
.border{ border-color:rgb(128, 189, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 189, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 189, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 189, 202);  
box-shadow:4px 4px 4px 4px rgb(128, 189,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2487, 0.2593, 0.3107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 189, 202) }
```

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

```
.background{ background-color: rgb(128,  
189, 202) }
```

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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