

Converting Colors

$Y_{xy}(45.3747, 0.2362, 0.2991)$

Have a look what the booklet for
Yxy(45.3747, 0.2362, 0.2991)
contains.

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Color

Yxy(45.3747, 0.2362, 0.2991)

Conversions

Conversions Part 1

Format	Color
Hex	5EC1D6
RGB	94, 193, 214
RGB Percent	37%, 76%, 84%
CMY	0.6310, 0.2432, 0.1607
CMYK	0.56, 0.10, 0.00, 0.16
HSL	191°, 59%, 60%
HSV	191°, 56%, 84%
XYZ	35.8325, 45.3747, 70.4969
YIQ	165.7930, -65.7450, -14.4570

Conversions

Conversions Part 2

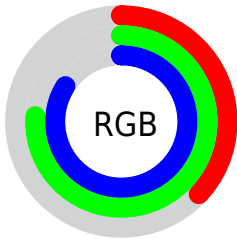
Format	Color
RYB	94, 148, 214
Decimal	6210006
CIELab	73.14, -23.01, -19.34
CIElCh	73, 30.058, 220.036
Yxy	45.3747, 0.2362, 0.2991
Android (android.graphics.Color)	4284400086 (0xFF5EC1D6)
YUV	165.7930, 23.7661, -62.9625
Hunter-Lab	67.3607, -22.9283, -14.8979

Details

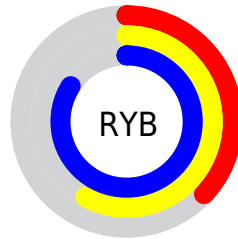
The Yxy color **45.3747, 0.2362, 0.2991** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.3992, 0.4644, 0.3544**, and the grayscale version is **37.9482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3635, 0.2566, 0.3233**, and **21.1069, 0.2161, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **42.7581, 0.2268, 0.2928**, and if you desaturate by 10%, it is **48.3506, 0.2473, 0.3052**.

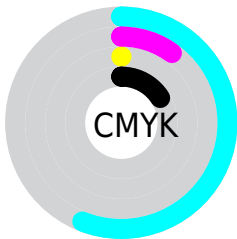
Distribution



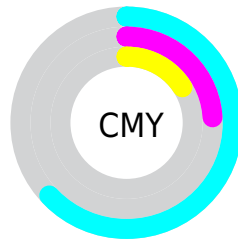
- Red (37%)
- Green (76%)
- Blue (84%)



- Red (37%)
- Yellow (58%)
- Blue (84%)



- Cyan (56%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)




- Cyan (63%)
- Magenta (24%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3747, 0.2362, 0.2991 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 45.3747, 0.2362, 0.2991 by changing the saturation by 10% instead.

 45.3747, 0.2362,
0.2991

 45.3747, 0.2362,
0.2991


368.2890, 0.2734,
0.3150

 31.7527, 0.2273,
0.2949


 83.2824, 0.2495,
0.3051

 21.1727, 0.2161,
0.2893


 108.3369, 0.2545,
0.3073

 13.2503, 0.2016,
0.2818


 137.9709, 0.2588,
0.3091

 7.6011, 0.1824,
0.2710

 172.5690, 0.2626,
0.3106

 3.8408, 0.1557,
0.2544

212.5154, 0.2658,
0.3120

 1.5849, 0.1174,
0.2268

258.1946, 0.2687,

 0.3474, 0.0000,

0.3131

0.1512

309.9910, 0.2712,
0.3141

0.0000, 0.0000,
0.0000

45.3747, 0.2362,
0.2991

45.3747, 0.2362,
0.2991

42.7581, 0.2268,
0.2928

48.3506, 0.2473,
0.3052

40.4686, 0.2193,
0.2865

51.7044, 0.2599,
0.3110

38.4767, 0.2137,
0.2802

55.4595, 0.2737,
0.3165

36.7435, 0.2099,
0.2739

59.6359, 0.2883,
0.3216

36.0990, 0.2087,
0.2714

64.2519, 0.3034,
0.3264

69.3247, 0.3188,
0.3307

74.8708, 0.3343,
0.3345

78.8962, 0.3419,
0.3381

80.9239, 0.3413,
0.3419

Harmonies

Analogous

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



45.3747, 0.2532, 0.3388



45.3747, 0.2362, 0.2991



45.3747, 0.2380, 0.2715

Triad

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



45.3747, 0.2362, 0.2991



45.3747, 0.3362, 0.2859



45.3747, 0.3670, 0.4024

Complementary

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



45.3747, 0.2362, 0.2991



27.3992, 0.4644, 0.3544

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.



45.3747, 0.3925, 0.3816



45.3747, 0.2362, 0.2991



45.3747, 0.3748, 0.3156

Square

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



45.3747, 0.2362, 0.2991



45.3747, 0.2932, 0.2662



45.3747, 0.3958, 0.3498



45.3747, 0.3278, 0.4027

Rectangle

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



45.3747, 0.2362, 0.2991



45.3747, 0.2494, 0.2624



45.3747, 0.3958, 0.3498



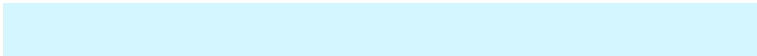
45.3747, 0.3775, 0.3973

Sweetspot

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



45.3764, 0.2362, 0.2991



87.9310, 0.2866, 0.3211



51.7026, 0.2946, 0.4802



18.5432, 0.2836, 0.3201



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.



45.3764, 0.2362, 0.2991



62.9858, 0.2254, 0.2918



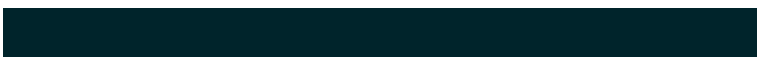
24.3117, 0.2170, 0.2085



13.7201, 0.2983, 0.3248



21.9530, 0.2090, 0.2724



1.4236, 0.2120, 0.2832

Inverse Universe

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



26.1720, 0.3423, 0.2165



33.0626, 0.3502, 0.1996



45.3976, 0.4185, 0.4230



12.5936, 0.3164, 0.3100



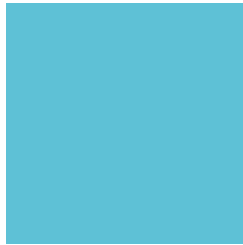
10.5610, 0.3706, 0.1815



0.6470, 0.3605, 0.1760

Previews

White Background



This preview shows how the Yxy color 45.3747, 0.2362, 0.2991 looks on a white background.

Color Contrast Check

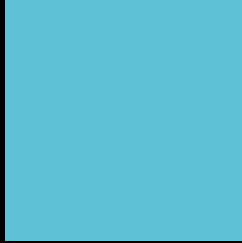
Large Text (above 18pt) WCAG AA × Fail

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 45.3747, 0.2362, 0.2991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

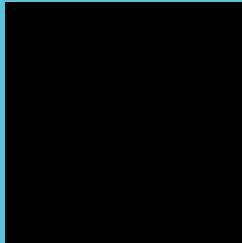
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3747, 0.2362, 0.2991

Background



This preview shows how black text looks on a background with the Yxy color 45.3747, 0.2362, 0.2991.



This preview shows how white text looks on a background with the Yxy color 45.3747, 0.2362, 0.2991.

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

45.3747, 0.2362, 0.2991

Protanopia

44.7547, 0.2901, 0.2953

Deuteranopia

44.9520, 0.2808, 0.2751



Tritanopia

45.4623, 0.2381, 0.3074

Trichromacy



Original Color

45.3747, 0.2362, 0.2991

Protanomaly

44.3917, 0.2662, 0.2964

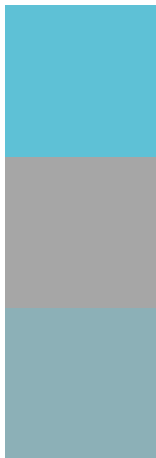
Deuteranomaly

44.5766, 0.2606, 0.2825

Tritanomaly

45.6139, 0.2375, 0.3046

Monochromacy



Original Color

45.3747, 0.2362, 0.2991

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

40.0450, 0.2777, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3747, 0.2362, 0.2991 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(94, 193, 214)` looks like.

```
.text, #text, p{  
    color:rgb(94, 193, 214)  
}
```

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(94, 193, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 193, 214) }
```

Border

The CSS property to change the border of an element to Yxy 45.3747, 0.2362, 0.2991 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(94, 193, 214) }
```

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

```
.border{ border-color:rgb(94, 193, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 193, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 193, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 193, 214);  
box-shadow:4px 4px 4px 4px rgb(94, 193,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3747, 0.2362, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 193, 214) }
```

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

```
.background{ background-color: rgb(94, 193,  
214) }
```

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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