

Converting Colors

$Y_{xy}(45.8162, 0.2505, 0.2909)$

Have a look what the booklet for
Yxy(45.8162, 0.2505, 0.2909)
contains.

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Color

Yxy(45.9941, 0.2507, 0.2910)

Conversions

Conversions Part 1

Format	Color
Hex	80BDD9
RGB	128, 189, 217
RGB Percent	50%, 74%, 85%
CMY	0.4980, 0.2588, 0.1490
CMYK	0.41, 0.13, 0.00, 0.15
HSL	199°, 54%, 68%
HSV	199°, 41%, 85%
XYZ	39.6245, 45.9941, 72.4368
YIQ	173.9530, -45.3440, -4.2240

Conversions

Conversions Part 2

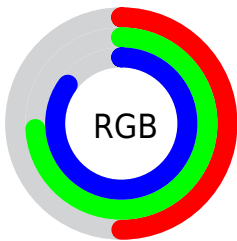
Format	Color
R _{YB}	128, 164, 217
Decimal	8437209
CIE _{Lab}	73.54, -12.44, -20.21
CIE _{LCh}	74, 23.732, 238.394
Y _{xy}	45.9941, 0.2507, 0.2910
Android (android.graphics.Color)	4286627289 (0xFF80BDD9)
Y _{UV}	173.9530, 21.2222, -40.3008
Hunter-Lab	67.8190, -14.3913, -15.8538

Details

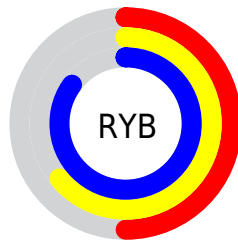
The Yxy color **45.9941, 0.2507, 0.2910** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **40.0901, 0.4025, 0.3634**, and the grayscale version is **42.2099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7152, 0.2710, 0.3181**, and **21.6334, 0.2344, 0.2805** is the 20% darker color. If you saturate the color by 10%, you get **41.6205, 0.2372, 0.2799**, and if you desaturate by 10%, it is **50.8693, 0.2652, 0.3015**.

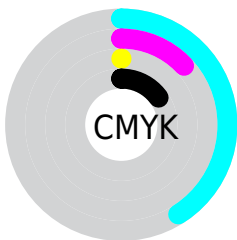
Distribution



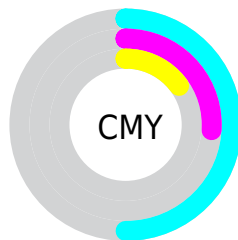
- Red (50%)
- Green (74%)
- Blue (85%)



- Red (50%)
- Yellow (64%)
- Blue (85%)



- Cyan (41%)
- Magenta (13%)
- Yellow (0%)
- Black (15%)




- Cyan (50%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9941, 0.2507, 0.2910 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 45.9941, 0.2507, 0.2910 by changing the saturation by 10% instead.


 45.9941, 0.2507,
0.2910

 45.9941, 0.2507,
0.2910


370.7849, 0.2810,
0.3104


 32.2412, 0.2434,
0.2861


 84.2102, 0.2615,
0.2981

 21.5458, 0.2342,
0.2798


 109.4421, 0.2657,
0.3008

 13.5235, 0.2222,
0.2713


 139.2691, 0.2692,
0.3030

 7.7900, 0.2060,
0.2595

174.0757, 0.2722,
0.3049

 3.9609, 0.1833,
0.2421

214.2461, 0.2748,
0.3066

 1.6517, 0.1497,
0.2143

260.1649, 0.2771,

 0.3921, 0.0266,

0.3080

0.1512

312.2164, 0.2792,
0.3093

0.0000, 0.0000,
0.0000

45.9941, 0.2507,
0.2910

45.9941, 0.2507,
0.2910

41.6205, 0.2372,
0.2799

50.8693, 0.2652,
0.3015

37.7182, 0.2250,
0.2682

56.2639, 0.2804,
0.3112

34.2613, 0.2145,
0.2563

62.2007, 0.2958,
0.3201

31.2181, 0.2059,
0.2442

68.6998, 0.3112,
0.3282

28.5514, 0.1993,
0.2323

75.7800, 0.3263,
0.3355

■ 26.4192, 0.1949,
0.2217

■ 82.8455, 0.3388,
0.3420

■ 86.7197, 0.3378,
0.3487

■ 90.7444, 0.3368,
0.3553

■ 94.9212, 0.3358,
0.3618

Harmonies

Analogous

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



45.9941, 0.2554, 0.3175



45.9941, 0.2507, 0.2910



45.9941, 0.2614, 0.2764

Triad

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



45.9941, 0.2507, 0.2910



45.9941, 0.3509, 0.3087



45.9941, 0.3379, 0.3886

Complementary

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



45.9941, 0.2507, 0.2910



40.0901, 0.4025, 0.3634

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.



45.9941, 0.3653, 0.3823



45.9941, 0.2507, 0.2910



45.9941, 0.3735, 0.3355

Square

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



45.9941, 0.2507, 0.2910



45.9941, 0.3182, 0.2872



45.9941, 0.3787, 0.3623



45.9941, 0.3046, 0.3766

Rectangle

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



45.9941, 0.2507, 0.2910



45.9941, 0.2762, 0.2743



45.9941, 0.3787, 0.3623



45.9941, 0.3481, 0.3884

Sweetspot

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



45.9959, 0.2507, 0.2910



88.6617, 0.2941, 0.3192



56.5739, 0.2915, 0.4163



18.7285, 0.2920, 0.3181



0.0000, 0.0000, 0.0000



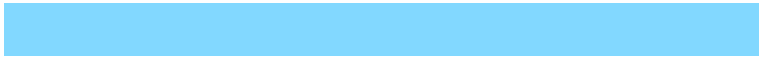
21.4041, 0.3127, 0.3290

Same Dimension

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



45.9959, 0.2507, 0.2910



60.9216, 0.2392, 0.2817



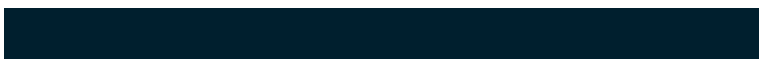
30.0972, 0.2408, 0.2288



14.1025, 0.2982, 0.3215



16.1892, 0.1954, 0.2234



1.2006, 0.2007, 0.2427

Inverse Universe

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



33.8662, 0.3457, 0.2572



42.1803, 0.3551, 0.2432



57.2518, 0.3814, 0.4121



13.2015, 0.3185, 0.3131



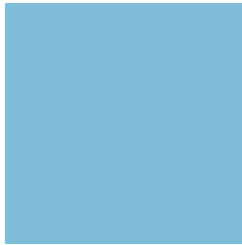
10.2581, 0.4196, 0.2085



0.6799, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 45.9941, 0.2507, 0.2910 looks on a white background.

Color Contrast Check

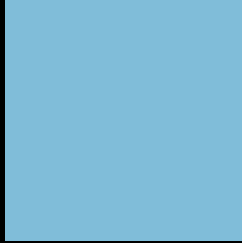
Large Text (above 18pt) WCAG AA × Fail

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 45.9941, 0.2507, 0.2910 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 45.9941, 0.2507, 0.2910

Background



This preview shows how black text looks on a background with the Yxy color 45.9941, 0.2507, 0.2910.



This preview shows how white text looks on a background with the Yxy color 45.9941, 0.2507, 0.2910.

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

45.9941, 0.2507, 0.2910

Protanopia

45.4926, 0.2851, 0.2881

Deuteranopia

45.5651, 0.2803, 0.2742



Tritanopia

46.0778, 0.2556, 0.3081

Trichromacy



Original Color

45.9941, 0.2507, 0.2910

Protanomaly

45.4281, 0.2707, 0.2884

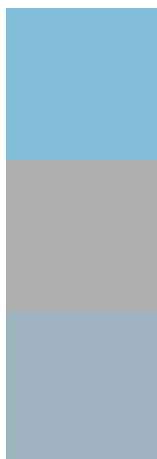
Deuteranomaly

45.5331, 0.2681, 0.2799

Tritanomaly

45.9157, 0.2537, 0.3014

Monochromacy



Original Color

45.9941, 0.2507, 0.2910

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.1260, 0.2861, 0.3138

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9941, 0.2507, 0.2910 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(128, 189, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 189, 217) }
```

Border

The CSS property to change the border of an element to Yxy 45.9941, 0.2507, 0.2910 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, 217) }
```

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

```
.border{ border-color:rgb(128, 189, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 189, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 189, 217);  
box-shadow:4px 4px 4px 4px rgb(128, 189,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9941, 0.2507, 0.2910 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, 217) }
```

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

```
.background{ background-color: rgb(128,  
189, 217) }
```

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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