

Converting Colors

$Y_{xy}(45.2321, 0.2616, 0.2875)$

Have a look what the booklet for
Yxy(45.2321, 0.2616, 0.2875)
contains.

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Color

Yxy(45.2070, 0.2614, 0.2877)

Conversions

Conversions Part 1

Format	Color
Hex	91B8D7
RGB	145, 184, 215
RGB Percent	57%, 72%, 84%
CMY	0.4316, 0.2784, 0.1569
CMYK	0.33, 0.14, 0.00, 0.16
HSL	207°, 47%, 71%
HSV	207°, 33%, 84%
XYZ	41.0744, 45.2070, 70.8510
YIQ	175.8730, -33.1950, 1.3730

Conversions

Conversions Part 2

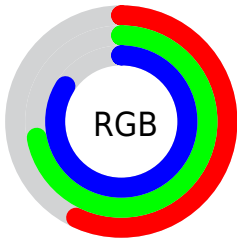
Format	Color
RYB	145, 170, 215
Decimal	9550039
CIELab	73.03, -5.72, -19.81
CIElCh	73, 20.624, 253.893
Yxy	45.2070, 0.2614, 0.2877
Android (android.graphics.Color)	4287740119 (0xFF91B8D7)
YUV	175.8730, 19.2896, -27.0756
Hunter-Lab	67.2362, -8.6180, -15.4123

Details

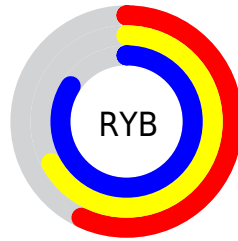
The Yxy color **45.2070, 0.2614, 0.2877** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.5083, 0.3755, 0.3668**, and the grayscale version is **43.2519, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8195, 0.2794, 0.3130**, and **21.0460, 0.2476, 0.2760** is the 20% darker color. If you saturate the color by 10%, you get **39.6194, 0.2457, 0.2725**, and if you desaturate by 10%, it is **51.4332, 0.2774, 0.3018**.

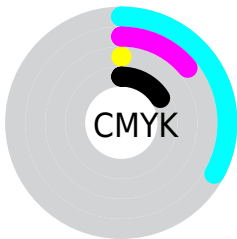
Distribution



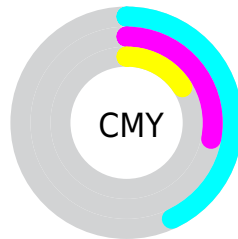
- Red (57%)
- Green (72%)
- Blue (84%)



- Red (57%)
- Yellow (67%)
- Blue (84%)



- Cyan (33%)
- Magenta (14%)
- Yellow (0%)
- Black (16%)



- Cyan (43%)
- Magenta (28%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2070, 0.2614, 0.2877 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 45.2070, 0.2614, 0.2877 by changing the saturation by 10% instead.

■ 45.2070, 0.2614,
0.2877

■ 45.2070, 0.2614,
0.2877

■ 367.6113, 0.2867,
0.3085

■ 31.6205, 0.2552,
0.2825

■ 83.0310, 0.2705,
0.2953

■ 21.0718, 0.2474,
0.2759

■ 108.0372, 0.2740,
0.2981

■ 13.1765, 0.2371,
0.2671

■ 137.6188, 0.2769,
0.3005

■ 7.5502, 0.2231,
0.2549

■ 172.1602, 0.2794,
0.3025

■ 3.8085, 0.2031,
0.2371

■ 212.0457, 0.2816,
0.3043

■ 1.5670, 0.1725,
0.2089

■ 257.6598, 0.2835,

■ 0.3352, 0.0717,

0.3059

0.1342

309.3869, 0.2852,
0.3073

0.0000, 0.0000,
0.0000

45.2070, 0.2614,
0.2877

45.2070, 0.2614,
0.2877

39.6194, 0.2457,
0.2725

51.4332, 0.2774,
0.3018

34.6389, 0.2308,
0.2563

58.3169, 0.2932,
0.3146

30.2391, 0.2170,
0.2394

65.8828, 0.3088,
0.3262

26.3885, 0.2048,
0.2221

74.1524, 0.3238,
0.3366

23.0521, 0.1947,
0.2048

83.1462, 0.3380,
0.3457

■ 20.1881, 0.1869,
0.1880

■ 89.1137, 0.3384,
0.3549

■ 18.3220, 0.1822,
0.1760

■ 94.8920, 0.3370,
0.3639

■ 97.6864, 0.3364,
0.3681

Harmonies

Analogous

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



45.2070, 0.2585, 0.3061



45.2070, 0.2614, 0.2877



45.2070, 0.2774, 0.2809

Triad

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



45.2070, 0.2614, 0.2877



45.2070, 0.3578, 0.3232



45.2070, 0.3200, 0.3773

Complementary

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



45.2070, 0.2614, 0.2877



47.5083, 0.3755, 0.3668

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.



45.2070, 0.3476, 0.3802



45.2070, 0.2614, 0.2877



45.2070, 0.3702, 0.3476

Square

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



45.2070, 0.2614, 0.2877



45.2070, 0.3329, 0.3011



45.2070, 0.3663, 0.3686



45.2070, 0.2914, 0.3594

Rectangle

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



45.2070, 0.2614, 0.2877



45.2070, 0.2939, 0.2830



45.2070, 0.3663, 0.3686



45.2070, 0.3297, 0.3801

Sweetspot

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



45.2088, 0.2614, 0.2877



88.4957, 0.2972, 0.3176



57.7222, 0.2896, 0.3823



18.6135, 0.2949, 0.3159



0.0000, 0.0000, 0.0000



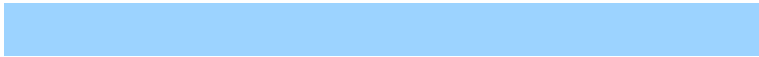
21.4041, 0.3127, 0.3290

Same Dimension

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



45.2088, 0.2614, 0.2877



60.8433, 0.2507, 0.2775



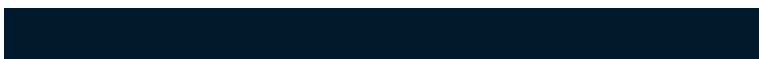
32.6075, 0.2554, 0.2395



13.1461, 0.2982, 0.3184



11.1732, 0.1829, 0.1784



0.8377, 0.1908, 0.2068

Inverse Universe

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



38.1398, 0.3461, 0.2821



49.5905, 0.3557, 0.2722



62.7460, 0.3632, 0.4050



12.5356, 0.3205, 0.3161



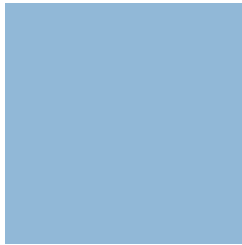
9.4728, 0.4705, 0.2365



0.5879, 0.4377, 0.2185

Previews

White Background



This preview shows how the Yxy color 45.2070, 0.2614, 0.2877 looks on a white background.

Color Contrast Check

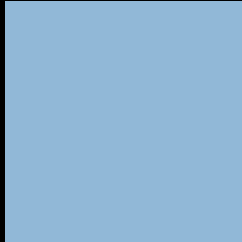
Large Text (above 18pt) WCAG AA × Fail

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 45.2070, 0.2614, 0.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

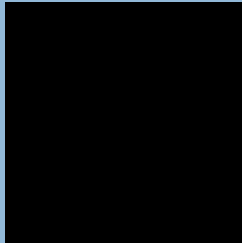
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

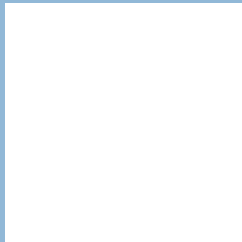
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.2070, 0.2614, 0.2877

Background



This preview shows how black text looks on a background with the Yxy color 45.2070, 0.2614, 0.2877.



This preview shows how white text looks on a background with the Yxy color 45.2070, 0.2614, 0.2877.

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

45.2070, 0.2614, 0.2877

Protanopia

44.8681, 0.2834, 0.2866

Deuteranopia

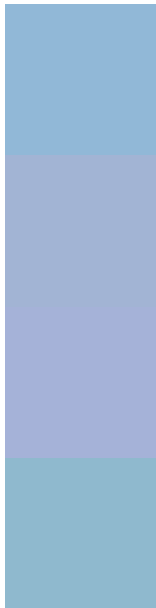
45.0168, 0.2823, 0.2763



Tritanopia

45.0856, 0.2685, 0.3083

Trichromacy



Original Color

45.2070, 0.2614, 0.2877

Protanomaly

45.0774, 0.2747, 0.2873

Deuteranomaly

44.7980, 0.2741, 0.2801

Tritanomaly

44.9938, 0.2658, 0.3004

Monochromacy



Original Color

45.2070, 0.2614, 0.2877

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.9572, 0.2925, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2070, 0.2614, 0.2877 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(145, 184, 215)` looks like.

```
.text, #text, p{  
    color:rgb(145, 184, 215)  
}
```

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(145, 184, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 184, 215) }
```

Border

The CSS property to change the border of an element to Yxy 45.2070, 0.2614, 0.2877 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(145, 184, 215) }
```

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

```
.border{ border-color:rgb(145, 184, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 184, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 184, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 184, 215);  
box-shadow:4px 4px 4px 4px rgb(145, 184,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2070, 0.2614, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 184, 215) }
```

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

```
.background{ background-color: rgb(145,  
184, 215) }
```

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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