

Converting Colors

$Y_{xy}(45.7072, 0.2612, 0.2876)$

Have a look what the booklet for
Yxy(45.7072, 0.2612, 0.2876)
contains.

Yxy(45.6755, 0.2610, 0.2878)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.6755, 0.2610, 0.2878)

Conversions

Conversions Part 1

Format	Color
Hex	91B9D8
RGB	145, 185, 216
RGB Percent	57%, 73%, 85%
CMY	0.4314, 0.2745, 0.1529
CMYK	0.33, 0.14, 0.00, 0.15
HSL	206°, 48%, 71%
HSV	206°, 33%, 85%
XYZ	41.4222, 45.6755, 71.6080
YIQ	176.5740, -33.7910, 1.1610

Conversions

Conversions Part 2

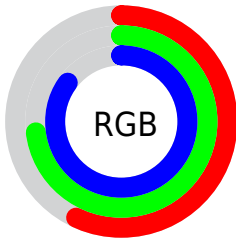
Format	Color
RYB	145, 171, 216
Decimal	9550296
CIELab	73.33, -5.98, -19.90
CIELCh	73, 20.780, 253.278
Yxy	45.6755, 0.2610, 0.2878
Android (android.graphics.Color)	4287740376 (0xFF91B9D8)
YUV	176.5740, 19.4370, -27.6904
Hunter-Lab	67.5837, -8.8683, -15.5119

Details

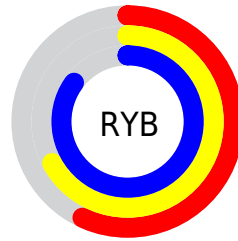
The Yxy color **45.6755, 0.2610, 0.2878** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **47.7031, 0.3764, 0.3667**, and the grayscale version is **43.6426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4100, 0.2795, 0.3141**, and **21.3510, 0.2471, 0.2763** is the 20% darker color. If you saturate the color by 10%, you get **40.0806, 0.2454, 0.2727**, and if you desaturate by 10%, it is **51.9090, 0.2769, 0.3017**.

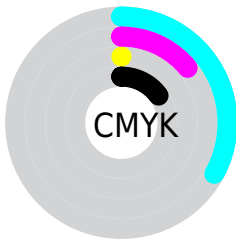
Distribution



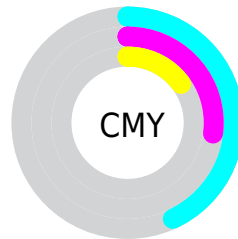
- Red (57%)
- Green (73%)
- Blue (85%)



- Red (57%)
- Yellow (67%)
- Blue (85%)



- Cyan (33%)
- Magenta (14%)
- Yellow (0%)
- Black (15%)



- Cyan (43%)
- Magenta (27%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6755, 0.2610, 0.2878 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 45.6755, 0.2610, 0.2878 by changing the saturation by 10% instead.

■ 45.6755, 0.2610,
0.2878

■ 45.6755, 0.2610,
0.2878

369.5025, 0.2865,
0.3085

■ 31.9898, 0.2548,
0.2826

■ 83.7331, 0.2701,
0.2953

■ 21.3537, 0.2469,
0.2760

■ 108.8739, 0.2736,
0.2981

■ 13.3828, 0.2366,
0.2673

138.6018, 0.2766,
0.3005

■ 7.6927, 0.2227,
0.2552

173.3013, 0.2791,
0.3026

■ 3.8989, 0.2027,
0.2376

213.3567, 0.2813,
0.3044

■ 1.6172, 0.1724,
0.2097

259.1524, 0.2832,

■ 0.3691, 0.0780,

0.3059

0.1405

311.0729, 0.2849,
0.3073

0.0000, 0.0000,
0.0000

45.6755, 0.2610,
0.2878

45.6755, 0.2610,
0.2878

40.0806, 0.2454,
0.2727

51.9090, 0.2769,
0.3017

35.0926, 0.2305,
0.2567

58.8003, 0.2928,
0.3145

30.6850, 0.2169,
0.2400

66.3739, 0.3083,
0.3259

26.8260, 0.2049,
0.2229

74.6515, 0.3234,
0.3362

23.4802, 0.1949,
0.2059

83.6539, 0.3377,
0.3453

■ 20.6054, 0.1871,
0.1893

■ 89.4891, 0.3377,
0.3544

■ 18.7974, 0.1827,
0.1778

■ 95.2387, 0.3363,
0.3634

■ 97.7386, 0.3357,
0.3671

Harmonies

Analogous

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



45.6755, 0.2583, 0.3065



45.6755, 0.2610, 0.2878



45.6755, 0.2768, 0.2807

Triad

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



45.6755, 0.2610, 0.2878



45.6755, 0.3576, 0.3227



45.6755, 0.3206, 0.3777

Complementary

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



45.6755, 0.2610, 0.2878



47.7031, 0.3764, 0.3667

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.



45.6755, 0.3482, 0.3803



45.6755, 0.2610, 0.2878



45.6755, 0.3704, 0.3471

Square

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



45.6755, 0.2610, 0.2878



45.6755, 0.3324, 0.3006



45.6755, 0.3667, 0.3684



45.6755, 0.2918, 0.3600

Rectangle

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



45.6755, 0.2610, 0.2878



45.6755, 0.2932, 0.2827



45.6755, 0.3667, 0.3684



45.6755, 0.3304, 0.3804

Sweetspot

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



45.6773, 0.2610, 0.2878



88.5794, 0.2972, 0.3178



58.2651, 0.2894, 0.3828



18.6338, 0.2949, 0.3161



0.0000, 0.0000, 0.0000



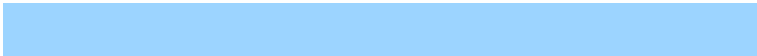
21.4041, 0.3127, 0.3290

Same Dimension

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



45.6773, 0.2610, 0.2878



61.1135, 0.2508, 0.2781



32.7079, 0.2549, 0.2386



13.1577, 0.2982, 0.3186



11.3429, 0.1834, 0.1803



0.8476, 0.1912, 0.2084

Inverse Universe

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



38.3561, 0.3461, 0.2812



49.6178, 0.3552, 0.2716



63.3738, 0.3636, 0.4057



12.5368, 0.3204, 0.3159



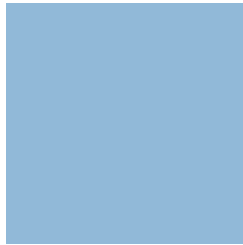
9.4899, 0.4682, 0.2353



0.5889, 0.4359, 0.2175

Previews

White Background



This preview shows how the Yxy color 45.6755, 0.2610, 0.2878 looks on a white background.

Color Contrast Check

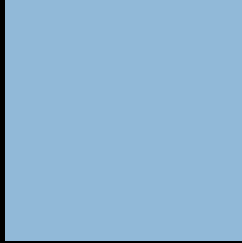
Large Text (above 18pt) WCAG AA × Fail

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 45.6755, 0.2610, 0.2878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

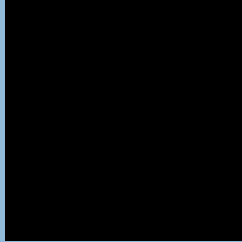
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

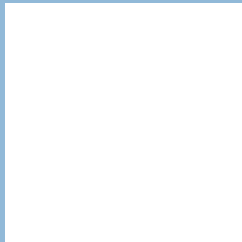
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6755, 0.2610, 0.2878

Background



This preview shows how black text looks on a background with the Yxy color 45.6755, 0.2610, 0.2878.

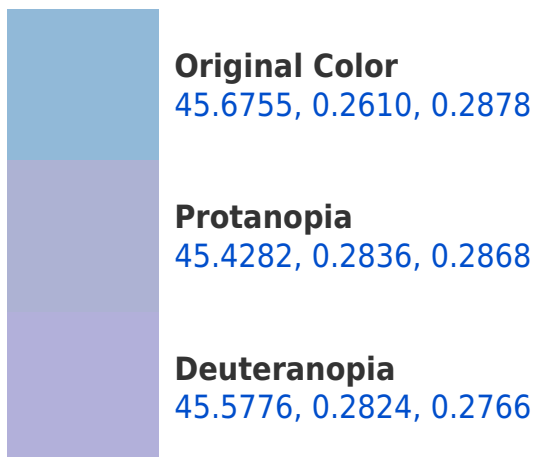


This preview shows how white text looks on a background with the Yxy color 45.6755, 0.2610, 0.2878.

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





Tritanopia

45.5557, 0.2680, 0.3084

Trichromacy



Original Color

45.6755, 0.2610, 0.2878

Protanomaly

45.6384, 0.2749, 0.2875

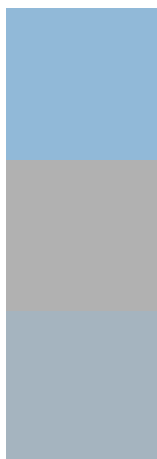
Deuteranomaly

45.3569, 0.2742, 0.2803

Tritanomaly

45.4624, 0.2654, 0.3005

Monochromacy



Original Color

45.6755, 0.2610, 0.2878

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.4034, 0.2918, 0.3142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6755, 0.2610, 0.2878 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, 185, 216)` looks like.

```
.text, #text, p{  
    color:rgb(145, 185, 216)  
}
```

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, 185, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 185, 216) }
```

Border

The CSS property to change the border of an element to Yxy 45.6755, 0.2610, 0.2878 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, 185, 216) }
```

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

```
.border{ border-color:rgb(145, 185, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 185, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 185, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 185, 216);  
box-shadow:4px 4px 4px 4px rgb(145, 185,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6755, 0.2610, 0.2878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 185, 216) }
```

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

```
.background{ background-color: rgb(145,  
185, 216) }
```

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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