

Converting Colors

$Yxy(45.8532, 0.2690, 0.2683)$

Have a look what the booklet for
Yxy(45.8532, 0.2690, 0.2683)
contains.

Yxy(45.7117, 0.2691, 0.2678)	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(45.7117, 0.2691, 0.2678)

Conversions

Conversions Part 1

Format	Color
Hex	A8B2E3
RGB	168, 178, 227
RGB Percent	66%, 70%, 89%
CMY	0.3411, 0.3020, 0.1099
CMYK	0.26, 0.22, 0.00, 0.11
HSL	230°, 51%, 77%
HSV	230°, 26%, 89%
XYZ	45.9336, 45.7117, 79.0481
YIQ	180.5960, -21.6890, 13.1190

Conversions

Conversions Part 2

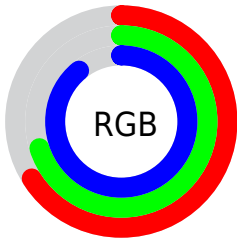
Format	Color
RYB	168, 177, 227
Decimal	11055843
CIELab	73.36, 7.21, -25.69
CIELCh	73, 26.679, 285.680
Yxy	45.7117, 0.2691, 0.2678
Android (android.graphics.Color)	4289245923 (0xFFA8B2E3)
YUV	180.5960, 22.8772, -11.0467
Hunter-Lab	67.6104, 2.9522, -21.9928

Details

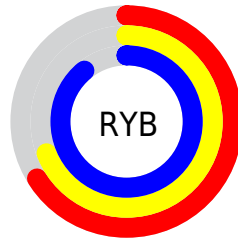
The Yxy color $45.7117, 0.2691, 0.2678$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $68.7725, 0.3544, 0.3836$, and the grayscale version is $45.8646, 0.3127, 0.3290$.

A 20% lighter version of the original color is $81.9129, 0.2936, 0.3075$, and $21.2523, 0.2575, 0.2515$ is the 20% darker color. If you saturate the color by 10%, you get $36.4409, 0.2499, 0.2395$, and if you desaturate by 10%, it is $56.4522, 0.2871, 0.2936$.

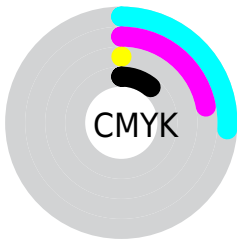
Distribution



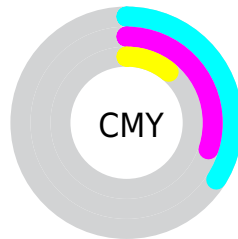
- Red (66%)
- Green (70%)
- Blue (89%)



- Red (66%)
- Yellow (69%)
- Blue (89%)



- Cyan (26%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (34%)
- Magenta (30%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7117, 0.2691, 0.2678 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 45.7117, 0.2691, 0.2678 by changing the saturation by 10% instead.

■ 45.7117, 0.2691,
0.2678

■ 45.7117, 0.2691,
0.2678

■ 369.6484, 0.2908,
0.2976

■ 32.0184, 0.2638,
0.2607

■ 83.7874, 0.2769,
0.2784

■ 21.3755, 0.2570,
0.2517

■ 108.9385, 0.2799,
0.2824

■ 13.3988, 0.2481,
0.2401

■ 138.6777, 0.2824,
0.2859

■ 7.7037, 0.2359,
0.2246

■ 173.3893, 0.2846,
0.2889

■ 3.9060, 0.2185,
0.2029

■ 213.4578, 0.2864,
0.2915

■ 1.6211, 0.1918,
0.1709

■ 259.2676, 0.2881,

■ 0.3718, 0.1429,

0.2937

0.1003

311.2030, 0.2895,
0.2958

0.0000, 0.0000,
0.0000

45.7117, 0.2691,
0.2678

45.7117, 0.2691,
0.2678

36.4409, 0.2499,
0.2395

56.4522, 0.2871,
0.2936

28.5699, 0.2301,
0.2093

68.7172, 0.3036,
0.3166

22.0313, 0.2104,
0.1783

82.5655, 0.3185,
0.3369

16.7497, 0.1921,
0.1479

97.3209, 0.3294,
0.3547

12.6421, 0.1762,
0.1200

98.3240, 0.3292,
0.3562

■ 9.6148, 0.1640,
0.0965

■ 7.5586, 0.1560,
0.0789

■ 6.9570, 0.1537,
0.0734

Harmonies

Analogous

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



45.7117, 0.2482, 0.2750



45.7117, 0.2691, 0.2678



45.7117, 0.3025, 0.2753

Triad

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



45.7117, 0.2691, 0.2678



45.7117, 0.3874, 0.3537



45.7117, 0.2830, 0.3668

Complementary

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



45.7117, 0.2691, 0.2678



68.7725, 0.3544, 0.3836

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.



45.7117, 0.3193, 0.3913



45.7117, 0.2691, 0.2678



45.7117, 0.3806, 0.3806

Square

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



45.7117, 0.2691, 0.2678



45.7117, 0.3725, 0.3229



45.7117, 0.3552, 0.3956



45.7117, 0.2557, 0.3309

Rectangle

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



45.7117, 0.2691, 0.2678



45.7117, 0.3281, 0.2873



45.7117, 0.3552, 0.3956



45.7117, 0.2945, 0.3768

Sweetspot

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



45.7135, 0.2691, 0.2678



85.9941, 0.3003, 0.3120



68.2120, 0.2808, 0.3419



17.8745, 0.2979, 0.3086



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.



45.7135, 0.2691, 0.2678



52.9817, 0.2592, 0.2533



44.0849, 0.2824, 0.2578



14.2794, 0.2980, 0.3089



4.1738, 0.1543, 0.0752



0.4264, 0.1609, 0.0993

Inverse Universe

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



47.5545, 0.3587, 0.3176



55.9795, 0.3715, 0.3152



71.1998, 0.3379, 0.3968



14.4076, 0.3266, 0.3250



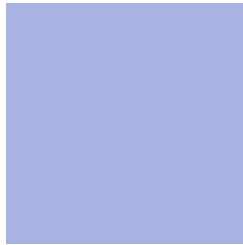
9.6191, 0.6146, 0.3160



0.7227, 0.5770, 0.2952

Previews

White Background



This preview shows how the Yxy color 45.7117, 0.2691, 0.2678 looks on a white background.

Color Contrast Check

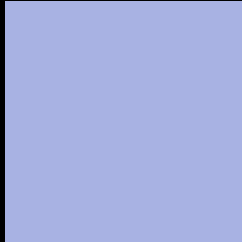
Large Text (above 18pt) WCAG AA × Fail

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 45.7117, 0.2691, 0.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

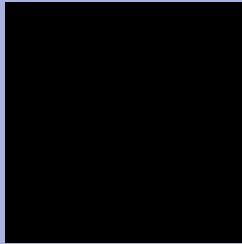
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7117, 0.2691, 0.2678

Background



This preview shows how black text looks on a background with the Yxy color 45.7117, 0.2691, 0.2678.



This preview shows how white text looks on a background with the Yxy color 45.7117, 0.2691, 0.2678.

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

45.7117, 0.2691, 0.2678

Protanopia

45.7117, 0.2691, 0.2678

Deuteranopia

45.8746, 0.2726, 0.2671



Tritanopia

45.6256, 0.2846, 0.3090

Trichromacy



Original Color

45.7117, 0.2691, 0.2678

Protanomaly

45.7117, 0.2691, 0.2678

Deuteranomaly

45.6483, 0.2711, 0.2668

Tritanomaly

45.5437, 0.2783, 0.2925

Monochromacy



Original Color

45.7117, 0.2691, 0.2678

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.9498, 0.2955, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7117, 0.2691, 0.2678 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(168, 178, 227)` looks like.

```
.text, #text, p{  
    color:rgb(168, 178, 227)  
}
```

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(168, 178, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 178, 227) }
```

Border

The CSS property to change the border of an element to Yxy 45.7117, 0.2691, 0.2678 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(168, 178, 227) }
```

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

```
.border{ border-color:rgb(168, 178, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 178, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 178, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 178, 227);  
box-shadow:4px 4px 4px 4px rgb(168, 178,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7117, 0.2691, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 178, 227) }
```

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

```
.background{ background-color: rgb(168,  
178, 227) }
```

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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