

Converting Colors

$Yxy(65.0818, 0.2683, 0.3008)$

Have a look what the booklet for
Yxy(65.0818, 0.2683, 0.3008)
contains.

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Color

Yxy(64.9207, 0.2683, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	ADD9F2
RGB	173, 217, 242
RGB Percent	68%, 85%, 95%
CMY	0.3214, 0.1490, 0.0510
CMYK	0.28, 0.10, 0.00, 0.05
HSL	202°, 73%, 81%
HSV	202°, 28%, 95%
XYZ	58.0801, 64.9207, 93.4737
YIQ	206.6940, -34.2490, -1.5530

Conversions

Conversions Part 2

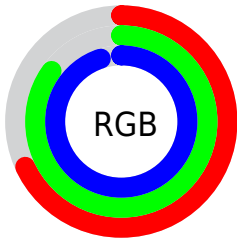
Format	Color
R _Y B	173, 200, 242
Decimal	11393522
CIE Lab	84.44, -8.65, -16.90
CIE LCh	84, 18.989, 242.901
Yxy	64.9207, 0.2683, 0.2999
Android (android.graphics.Color)	4289583602 (0xFFADD9F2)
YUV	206.6940, 17.4059, -29.5496
Hunter-Lab	80.5734, -12.3344, -12.3813

Details

The Yxy color **64.9207, 0.2683, 0.2999** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.3073, 0.3681, 0.3563**, and the grayscale version is **62.0987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **33.3078, 0.2577, 0.2921** is the 20% darker color. If you saturate the color by 10%, you get **58.0046, 0.2531, 0.2878**, and if you desaturate by 10%, it is **72.5823, 0.2839, 0.3110**.

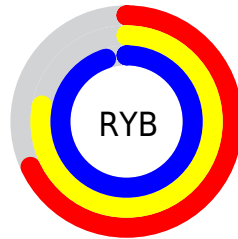
Distribution



Red (68%)

Green (85%)

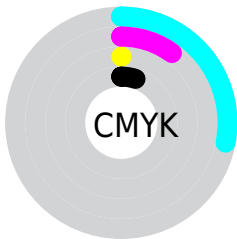
Blue (95%)



Red (68%)

Yellow (78%)

Blue (95%)

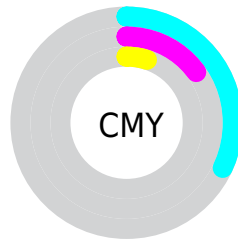


Cyan (28%)

Magenta (10%)

Yellow (0%)

Black (5%)



Cyan (32%)

Magenta (15%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9207, 0.2683, 0.2999 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 64.9207, 0.2683, 0.2999 by changing the saturation by 10% instead.

■ 64.9207, 0.2683,
0.2999

■ 64.9207, 0.2683,
0.2999

442.5069, 0.2889,
0.3138

■ 47.3968, 0.2636,
0.2966

■ 111.9358, 0.2755,
0.3048

■ 33.3494, 0.2577,
0.2925

142.1959, 0.2783,
0.3067

■ 22.3943, 0.2504,
0.2873

177.4700, 0.2807,
0.3083

■ 14.1469, 0.2407,
0.2803

218.1427, 0.2827,
0.3097

■ 8.2229, 0.2276,
0.2705

264.5984, 0.2846,
0.3109

■ 4.2379, 0.2090,
0.2561

317.2214, 0.2862,

■ 1.8075, 0.1805,

0.3120

0.2331

376.3961, 0.2876,
0.3130

0.4919, 0.0957,
0.1836

0.0000, 0.0000,
0.0000

64.9207, 0.2683,
0.2999

64.9207, 0.2683,
0.2999

58.0046, 0.2531,
0.2878

72.5823, 0.2839,
0.3110

51.7954, 0.2386,
0.2749

81.0101, 0.2996,
0.3212

46.2625, 0.2254,
0.2614

90.2336, 0.3150,
0.3303

41.3691, 0.2137,
0.2474

97.3531, 0.3205,
0.3387

■ 37.0739, 0.2039,
0.2333

■ 99.1908, 0.3203,
0.3415

■ 33.3286, 0.1963,
0.2192

■ 30.0656, 0.1906,
0.2055

■ 29.6026, 0.1899,
0.2035

Harmonies

Analogous

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



64.9207, 0.2701, 0.3180



64.9207, 0.2683, 0.2999



64.9207, 0.2778, 0.2904

Triad

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



64.9207, 0.2683, 0.2999



64.9207, 0.3430, 0.3173



64.9207, 0.3276, 0.3705

Complementary

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



64.9207, 0.2683, 0.2999



62.3073, 0.3681, 0.3563

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.



64.9207, 0.3480, 0.3686



64.9207, 0.2683, 0.2999



64.9207, 0.3573, 0.3373

Square

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



64.9207, 0.2683, 0.2999



64.9207, 0.3205, 0.3006



64.9207, 0.3591, 0.3560



64.9207, 0.3037, 0.3601

Rectangle

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



64.9207, 0.2683, 0.2999



64.9207, 0.2896, 0.2896



64.9207, 0.3591, 0.3560



64.9207, 0.3351, 0.3712

Sweetspot

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



64.9233, 0.2683, 0.2999



90.7087, 0.2987, 0.3207



76.4334, 0.2953, 0.3820



19.1087, 0.2965, 0.3192



0.0000, 0.0000, 0.0000



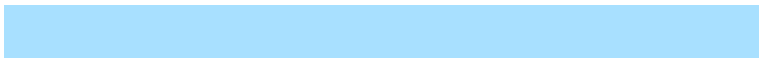
21.4041, 0.3127, 0.3290

Same Dimension

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



64.9233, 0.2683, 0.2999



68.6528, 0.2597, 0.2933



49.3273, 0.2640, 0.2590



16.9088, 0.2980, 0.3202



16.1714, 0.1905, 0.2057



1.5336, 0.1955, 0.2238

Inverse Universe

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



53.7910, 0.3364, 0.2823



54.7341, 0.3425, 0.2729



79.4167, 0.3586, 0.3905



15.9285, 0.3193, 0.3141



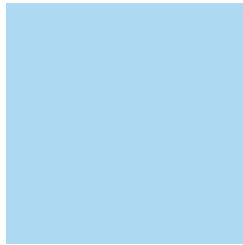
11.4259, 0.4388, 0.2191



0.9695, 0.4192, 0.2083

Previews

White Background



This preview shows how the Yxy color 64.9207, 0.2683, 0.2999 looks on a white background.

Color Contrast Check

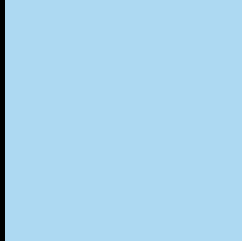
Large Text (above 18pt) WCAG AA × Fail

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 64.9207, 0.2683, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

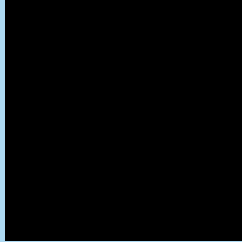
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9207, 0.2683, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 64.9207, 0.2683, 0.2999.



This preview shows how white text looks on a background with the Yxy color 64.9207, 0.2683, 0.2999.

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

64.9207, 0.2683, 0.2999

Protanopia

64.8372, 0.2919, 0.2979

Deuteranopia

64.4904, 0.2929, 0.2867



Tritanopia

64.9696, 0.2711, 0.3078

Trichromacy



Original Color

64.9207, 0.2683, 0.2999

Protanomaly

64.7883, 0.2827, 0.2984

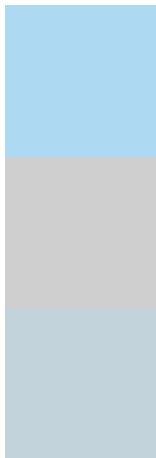
Deuteranomaly

64.2141, 0.2834, 0.2910

Tritanomaly

65.0865, 0.2700, 0.3055

Monochromacy



Original Color

64.9207, 0.2683, 0.2999

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.3579, 0.2952, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9207, 0.2683, 0.2999 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(173, 217, 242)` looks like.

```
.text, #text, p{  
    color:rgb(173, 217, 242)  
}
```

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(173, 217, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 217, 242) }
```

Border

The CSS property to change the border of an element to Yxy 64.9207, 0.2683, 0.2999 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(173, 217, 242) }
```

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

```
.border{ border-color:rgb(173, 217, 242) }
```

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

Here you see how a box with a 4 pixel rgb(173, 217, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 217, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 217, 242);  
box-shadow:4px 4px 4px 4px rgb(173, 217,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9207, 0.2683, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 217, 242) }
```

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

```
.background{ background-color: rgb(173,  
217, 242) }
```

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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