

Converting Colors

$Yxy(65.2180, 0.2667, 0.3022)$

Have a look what the booklet for
Yxy(65.2180, 0.2667, 0.3022)
contains.

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Color

Yxy(64.9287, 0.2666, 0.3020)

Conversions

Conversions Part 1

Format	Color
Hex	A9DAF1
RGB	169, 218, 241
RGB Percent	66%, 85%, 95%
CMY	0.3371, 0.1451, 0.0548
CMYK	0.30, 0.10, 0.00, 0.05
HSL	199°, 72%, 80%
HSV	199°, 30%, 95%
XYZ	57.3179, 64.9287, 92.7491
YIQ	205.9710, -36.5870, -3.2350

Conversions

Conversions Part 2

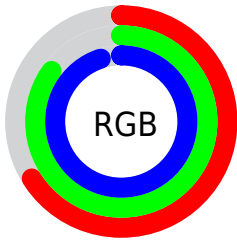
Format	Color
RYB	169, 198, 241
Decimal	11131633
CIELab	84.45, -10.53, -16.40
CIELCh	84, 19.494, 237.299
Yxy	64.9287, 0.2666, 0.3020
Android (android.graphics.Color)	4289321713 (0xFFA9DAF1)
YUV	205.9710, 17.2693, -32.4236
Hunter-Lab	80.5783, -14.0396, -11.8405

Details

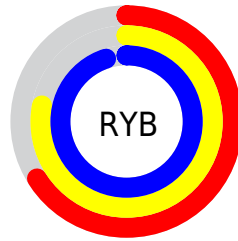
The Yxy color **64.9287, 0.2666, 0.3020** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.2962, 0.3724, 0.3544**, and the grayscale version is **61.6125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **33.3420, 0.2558, 0.2949** is the 20% darker color. If you saturate the color by 10%, you get **58.6000, 0.2519, 0.2913**, and if you desaturate by 10%, it is **71.9399, 0.2819, 0.3119**.

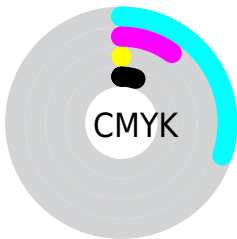
Distribution



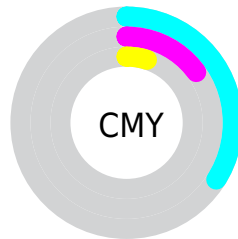
- Red (66%)
- Green (85%)
- Blue (95%)



- Red (66%)
- Yellow (78%)
- Blue (95%)



- Cyan (30%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)



- Cyan (34%)
- Magenta (15%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.9287, 0.2666, 0.3020 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 64.9287, 0.2666, 0.3020 by changing the saturation by 10% instead.

■ 64.9287, 0.2666,
0.3020

■ 64.9287, 0.2666,
0.3020

442.5357, 0.2880,
0.3150

■ 47.4033, 0.2617,
0.2989

■ 111.9473, 0.2740,
0.3066

■ 33.3546, 0.2557,
0.2951

142.2093, 0.2769,
0.3084

■ 22.3982, 0.2480,
0.2901

177.4857, 0.2794,
0.3099

■ 14.1498, 0.2380,
0.2834

218.1607, 0.2816,
0.3112

■ 8.2249, 0.2245,
0.2742

264.6188, 0.2835,
0.3123

■ 4.2392, 0.2053,
0.2604

317.2444, 0.2852,

■ 1.8083, 0.1760,

0.3133

0.2380

376.4219, 0.2867,
0.3142

0.4923, 0.0817,
0.1909

0.0000, 0.0000,
0.0000

64.9287, 0.2666,
0.3020

64.9287, 0.2666,
0.3020

58.6000, 0.2519,
0.2913

71.9399, 0.2819,
0.3119

52.9166, 0.2381,
0.2800

79.6533, 0.2974,
0.3209

47.8489, 0.2256,
0.2681

88.0972, 0.3129,
0.3291

43.3612, 0.2148,
0.2559

95.2616, 0.3213,
0.3366

■ 39.4130, 0.2060,
0.2435

■ 99.1324, 0.3208,
0.3424

■ 35.9568, 0.1992,
0.2313

■ 32.9151, 0.1943,
0.2192

■ 32.8773, 0.1942,
0.2191

Harmonies

Analogous

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



64.9287, 0.2706, 0.3218



64.9287, 0.2666, 0.3020



64.9287, 0.2743, 0.2904

Triad

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



64.9287, 0.2666, 0.3020



64.9287, 0.3399, 0.3134



64.9287, 0.3323, 0.3722

Complementary

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



64.9287, 0.2666, 0.3020



59.2962, 0.3724, 0.3544

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.



64.9287, 0.3519, 0.3679



64.9287, 0.2666, 0.3020



64.9287, 0.3566, 0.3336

Square

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



64.9287, 0.2666, 0.3020



64.9287, 0.3160, 0.2974



64.9287, 0.3611, 0.3534



64.9287, 0.3080, 0.3638

Rectangle

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



64.9287, 0.2666, 0.3020



64.9287, 0.2852, 0.2883



64.9287, 0.3611, 0.3534



64.9287, 0.3397, 0.3722

Sweetspot

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



64.9313, 0.2666, 0.3020



91.3094, 0.2987, 0.3216



75.1619, 0.2959, 0.3879



19.2570, 0.2965, 0.3204



0.0000, 0.0000, 0.0000



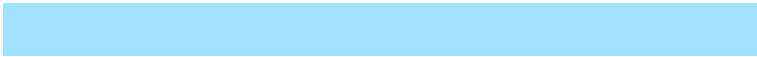
21.4041, 0.3127, 0.3290

Same Dimension

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



64.9313, 0.2666, 0.3020



69.2224, 0.2573, 0.2954



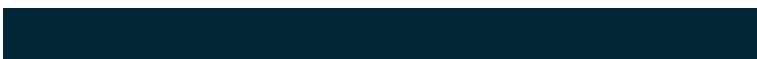
48.3405, 0.2617, 0.2580



17.0267, 0.2981, 0.3213



18.0786, 0.1947, 0.2211



1.6827, 0.1992, 0.2369

Inverse Universe

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



52.1540, 0.3352, 0.2769



52.9965, 0.3413, 0.2658



76.9620, 0.3616, 0.3911



15.9404, 0.3187, 0.3131



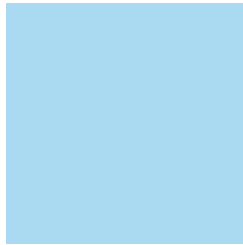
11.6184, 0.4221, 0.2099



0.9846, 0.4054, 0.2007

Previews

White Background



This preview shows how the Yxy color 64.9287, 0.2666, 0.3020 looks on a white background.

Color Contrast Check

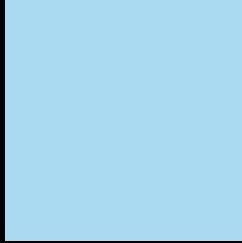
Large Text (above 18pt) WCAG AA × Fail

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 64.9287, 0.2666, 0.3020 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 64.9287, 0.2666, 0.3020

Background



This preview shows how black text looks on a background with the Yxy color 64.9287, 0.2666, 0.3020.



This preview shows how white text looks on a background with the Yxy color 64.9287, 0.2666, 0.3020.

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

64.9287, 0.2666, 0.3020

Protanopia

64.7209, 0.2932, 0.3000

Deuteranopia

64.4904, 0.2929, 0.2867



Tritanopia

65.0440, 0.2689, 0.3089

Trichromacy



Original Color

64.9287, 0.2666, 0.3020

Protanomaly

64.5388, 0.2832, 0.3006

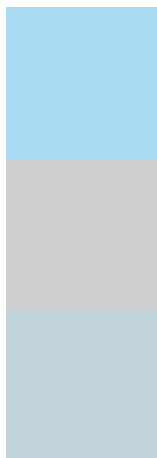
Deuteranomaly

64.5700, 0.2828, 0.2921

Tritanomaly

65.1609, 0.2678, 0.3066

Monochromacy



Original Color

64.9287, 0.2666, 0.3020

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.5451, 0.2944, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9287, 0.2666, 0.3020 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(169, 218, 241)` looks like.

```
.text, #text, p{  
    color:rgb(169, 218, 241)  
}
```

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(169, 218, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 218, 241) }
```

Border

The CSS property to change the border of an element to Yxy 64.9287, 0.2666, 0.3020 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(169, 218, 241) }
```

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

```
.border{ border-color:rgb(169, 218, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 218, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 218, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 218, 241);  
box-shadow:4px 4px 4px 4px rgb(169, 218,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9287, 0.2666, 0.3020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 218, 241) }
```

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

```
.background{ background-color: rgb(169,  
218, 241) }
```

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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