

Converting Colors

Yxy(68.0639, 0.2696, 0.3126)

Have a look what the booklet for
Yxy(68.0639, 0.2696, 0.3126)
contains.

Yxy(68.0304, 0.2696, 0.3126)	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(68.0304, 0.2696, 0.3126)

Conversions

Conversions Part 1

Format	Color
Hex	AAE0EE
RGB	170, 224, 238
RGB Percent	67%, 88%, 93%
CMY	0.3331, 0.1216, 0.0667
CMYK	0.29, 0.06, 0.00, 0.07
HSL	192°, 67%, 80%
HSV	192°, 29%, 93%
XYZ	58.6724, 68.0304, 90.9248
YIQ	209.4500, -36.6780, -7.0940

Conversions

Conversions Part 2

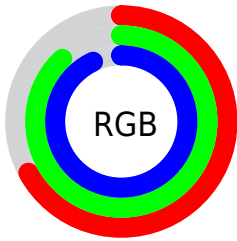
Format	Color
R _Y B	170, 200, 238
Decimal	11198702
CIE Lab	86.02, -14.02, -12.44
CIE LCh	86, 18.740, 221.584
Yxy	68.0304, 0.2696, 0.3126
Android (android.graphics.Color)	4289388782 (0xFFAAE0EE)
YUV	209.4500, 14.0752, -34.5976
Hunter-Lab	82.4805, -17.3652, -7.6237

Details

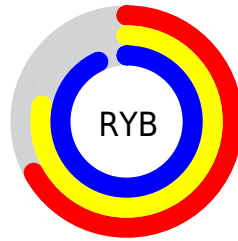
The Yxy color **68.0304, 0.2696, 0.3126** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.3821, 0.3714, 0.3447**, and the grayscale version is **64.0009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **35.4663, 0.2598, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **63.0173, 0.2558, 0.3059**, and if you desaturate by 10%, it is **73.6052, 0.2843, 0.3188**.

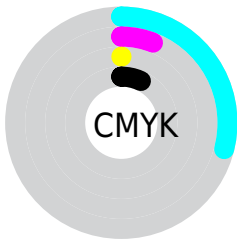
Distribution



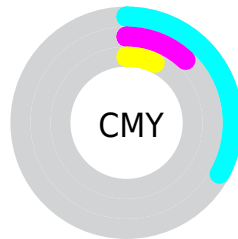
- Red (67%)
- Green (88%)
- Blue (93%)



- Red (67%)
- Yellow (78%)
- Blue (93%)



- Cyan (29%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)



- Cyan (33%)
- Magenta (12%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0304, 0.2696, 0.3126 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 68.0304, 0.2696, 0.3126 by changing the saturation by 10% instead.

68.0304, 0.2696,
0.3126

68.0304, 0.2696,
0.3126

453.6037, 0.2895,
0.3206

49.9225, 0.2651,
0.3107

116.3956, 0.2765,
0.3154

35.3518, 0.2595,
0.3083

147.4217, 0.2792,
0.3165

23.9340, 0.2525,
0.3051

183.5226, 0.2815,
0.3175

15.2847, 0.2433,
0.3009

225.0828, 0.2835,
0.3183

9.0194, 0.2310,
0.2949

272.4866, 0.2853,
0.3190

4.7538, 0.2134,
0.2859

326.1184, 0.2868,

2.1036, 0.1867,

0.3196

0.2708

386.3627, 0.2882,
0.3201

0.6666, 0.1079,
0.2468

0.0000, 0.0000,
0.0000

68.0304, 0.2696,
0.3126

68.0304, 0.2696,
0.3126

63.0173, 0.2558,
0.3059

73.6052, 0.2843,
0.3188

58.5311, 0.2432,
0.2989

79.7580, 0.2995,
0.3245

54.5456, 0.2320,
0.2916

86.5147, 0.3150,
0.3297

51.0286, 0.2227,
0.2840

91.9014, 0.3236,
0.3345

■ 47.9435, 0.2152,
0.2764

■ 94.8859, 0.3232,
0.3392

■ 45.2472, 0.2098,
0.2688

■ 97.9496, 0.3228,
0.3439

■ 42.8775, 0.2061,
0.2613

■ 98.9529, 0.3226,
0.3454

■ 42.5489, 0.2056,
0.2602

Harmonies

Analogous

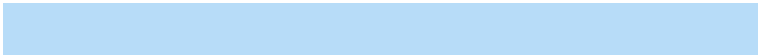
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.0304, 0.2791, 0.3337



68.0304, 0.2696, 0.3126



68.0304, 0.2711, 0.2971

Triad

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



68.0304, 0.2696, 0.3126



68.0304, 0.3271, 0.3055



68.0304, 0.3420, 0.3692

Complementary

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



68.0304, 0.2696, 0.3126



55.3821, 0.3714, 0.3447

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.



68.0304, 0.3559, 0.3597



68.0304, 0.2696, 0.3126



68.0304, 0.3472, 0.3231

Square

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



68.0304, 0.2696, 0.3126



68.0304, 0.3036, 0.2938



68.0304, 0.3579, 0.3427



68.0304, 0.3205, 0.3675

Rectangle

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



68.0304, 0.2696, 0.3126



68.0304, 0.2782, 0.2916



68.0304, 0.3579, 0.3427



68.0304, 0.3477, 0.3671

Sweetspot

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



68.0331, 0.2696, 0.3126



92.9239, 0.2988, 0.3243



73.1445, 0.3011, 0.3948



19.6563, 0.2965, 0.3235



0.0000, 0.0000, 0.0000



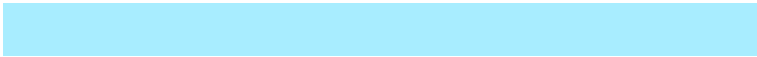
21.4041, 0.3127, 0.3290

Same Dimension

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



68.0331, 0.2696, 0.3126



76.2240, 0.2618, 0.3089



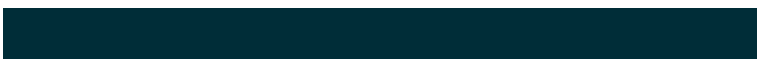
51.7386, 0.2653, 0.2716



17.3435, 0.2981, 0.3240



23.9299, 0.2060, 0.2614



2.1284, 0.2087, 0.2713

Inverse Universe

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



52.3254, 0.3274, 0.2715



55.4984, 0.3310, 0.2602



71.0228, 0.3615, 0.3804



15.9723, 0.3169, 0.3104



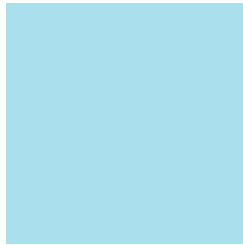
12.2091, 0.3810, 0.1873



1.0296, 0.3716, 0.1821

Previews

White Background



This preview shows how the Yxy color 68.0304, 0.2696, 0.3126 looks on a white background.

Color Contrast Check

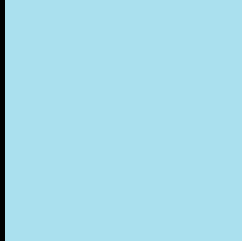
Large Text (above 18pt) WCAG AA × Fail

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 68.0304, 0.2696, 0.3126 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 68.0304, 0.2696, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 68.0304, 0.2696, 0.3126.

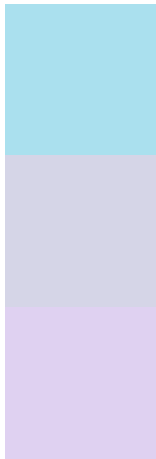


This preview shows how white text looks on a background with the Yxy color 68.0304, 0.2696, 0.3126.

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

68.0304, 0.2696, 0.3126

Protanopia

67.5042, 0.3007, 0.3092

Deuteranopia

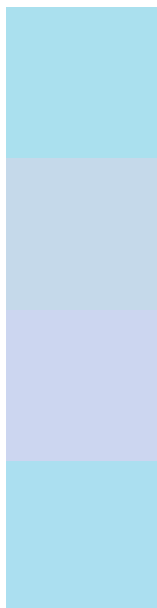
67.6398, 0.3013, 0.2949



Tritanopia

67.7842, 0.2684, 0.3081

Trichromacy



Original Color

68.0304, 0.2696, 0.3126

Protanomaly

67.4365, 0.2880, 0.3098

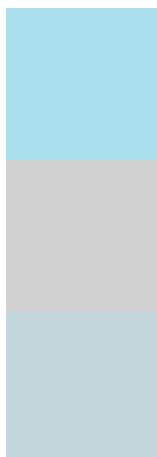
Deuteranomaly

67.2218, 0.2889, 0.3002

Tritanomaly

67.7245, 0.2689, 0.3092

Monochromacy



Original Color

68.0304, 0.2696, 0.3126

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.8625, 0.2952, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0304, 0.2696, 0.3126 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(170, 224, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 224, 238)  
}
```

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(170, 224, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 224, 238) }
```

Border

The CSS property to change the border of an element to Yxy 68.0304, 0.2696, 0.3126 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(170, 224, 238) }
```

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

```
.border{ border-color:rgb(170, 224, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 224, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 224, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 224, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 224,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0304, 0.2696, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 224, 238) }
```

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

```
.background{ background-color: rgb(170,  
224, 238) }
```

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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