

Converting Colors

$Yxy(66.4996, 0.2681, 0.3066)$

Have a look what the booklet for
Yxy(66.4996, 0.2681, 0.3066)
contains.

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Color

Yxy(66.5502, 0.2681, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	AADD00
RGB	170, 221, 240
RGB Percent	67%, 87%, 94%
CMY	0.3335, 0.1333, 0.0589
CMYK	0.29, 0.08, 0.00, 0.06
HSL	196°, 70%, 80%
HSV	196°, 29%, 94%
XYZ	58.1555, 66.5502, 92.2115
YIQ	207.9170, -36.4950, -4.9030

Conversions

Conversions Part 2

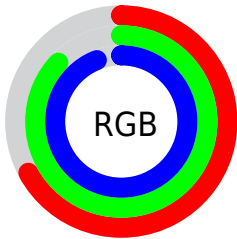
Format	Color
R _{YB}	170, 200, 240
Decimal	11197936
CIE _{Lab}	85.28, -12.06, -14.61
CIE _{LCh}	85, 18.942, 230.460
Y _{xy}	66.5502, 0.2681, 0.3068
Android (android.graphics.Color)	4289388016 (0xFFAADDFF)
YUV	207.9170, 15.8169, -33.2532
Hunter-Lab	81.5783, -15.5130, -9.9133

Details

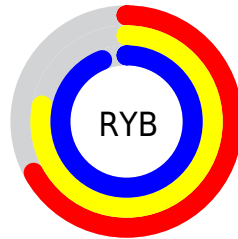
The Yxy color **66.5502, 0.2681, 0.3068** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.7979, 0.3717, 0.3501**, and the grayscale version is **62.9306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **34.4461, 0.2578, 0.3012** is the 20% darker color. If you saturate the color by 10%, you get **60.7494, 0.2538, 0.2979**, and if you desaturate by 10%, it is **72.9776, 0.2831, 0.3151**.

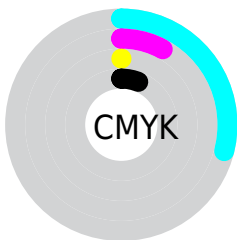
Distribution



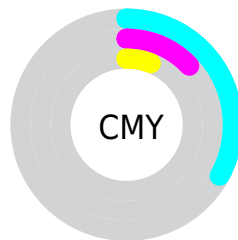
- Red (67%)
- Green (87%)
- Blue (94%)



- Red (67%)
- Yellow (78%)
- Blue (94%)



- Cyan (29%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)



- Cyan (33%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5502, 0.2681, 0.3068 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 66.5502, 0.2681, 0.3068 by changing the saturation by 10% instead.

■ 66.5502, 0.2681,
0.3068

■ 66.5502, 0.2681,
0.3068

■ 448.3420, 0.2887,
0.3175

■ 48.7192, 0.2634,
0.3042

■ 114.2757, 0.2753,
0.3106

■ 34.3968, 0.2576,
0.3010

■ 144.9389, 0.2780,
0.3121

■ 23.1986, 0.2503,
0.2969

■ 180.6483, 0.2804,
0.3133

■ 14.7402, 0.2407,
0.2914

■ 221.7883, 0.2825,
0.3144

■ 8.6373, 0.2278,
0.2836

■ 268.7433, 0.2844,
0.3153

■ 4.5053, 0.2094,
0.2720

■ 321.8976, 0.2860,

■ 1.9601, 0.1815,

0.3161

0.2530

381.6357, 0.2874,
0.3169

0.5841, 0.0973,
0.2178

0.0000, 0.0000,
0.0000

66.5502, 0.2681,
0.3068

66.5502, 0.2681,
0.3068

60.7494, 0.2538,
0.2979

72.9776, 0.2831,
0.3151

55.5392, 0.2405,
0.2884

80.0496, 0.2985,
0.3227

50.8915, 0.2286,
0.2785

87.7932, 0.3140,
0.3295

46.7725, 0.2184,
0.2684

94.0922, 0.3221,
0.3358

■ 43.1434, 0.2101,
0.2581

■ 98.1412, 0.3216,
0.3421

■ 39.9589, 0.2039,
0.2478

■ 99.0708, 0.3214,
0.3434

■ 37.1498, 0.1995,
0.2377

■ 36.9285, 0.1991,
0.2369

Harmonies

Analogous

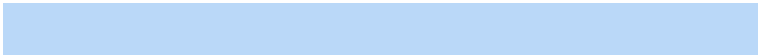
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.5502, 0.2745, 0.3272



66.5502, 0.2681, 0.3068



66.5502, 0.2730, 0.2935

Triad

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



66.5502, 0.2681, 0.3068



66.5502, 0.3341, 0.3099



66.5502, 0.3366, 0.3707

Complementary

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



66.5502, 0.2681, 0.3068



57.7979, 0.3717, 0.3501

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.



66.5502, 0.3536, 0.3641



66.5502, 0.2681, 0.3068



66.5502, 0.3523, 0.3289

Square

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



66.5502, 0.2681, 0.3068



66.5502, 0.3104, 0.2959



66.5502, 0.3595, 0.3485



66.5502, 0.3136, 0.3654

Rectangle

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



66.5502, 0.2681, 0.3068



66.5502, 0.2822, 0.2899



66.5502, 0.3595, 0.3485



66.5502, 0.3432, 0.3698

Sweetspot

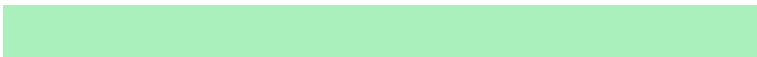
The Sweet Spot groups the original color and five complimentary colors.



66.5529, 0.2681, 0.3068



91.9993, 0.2988, 0.3228



74.5169, 0.2982, 0.3907



19.4275, 0.2965, 0.3217



0.0000, 0.0000, 0.0000



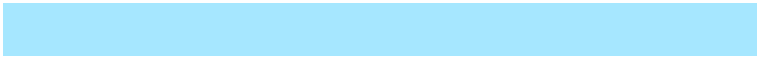
21.4041, 0.3127, 0.3290

Same Dimension

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



66.5529, 0.2681, 0.3068



72.3449, 0.2595, 0.3016



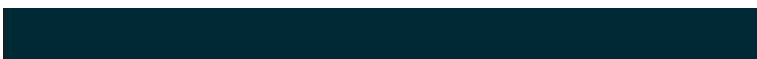
50.0807, 0.2635, 0.2643



17.1620, 0.2981, 0.3224



20.4487, 0.1996, 0.2385



1.8651, 0.2033, 0.2519

Inverse Universe

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



52.4826, 0.3316, 0.2747



54.2004, 0.3365, 0.2635



74.5503, 0.3613, 0.3862



15.9540, 0.3179, 0.3119



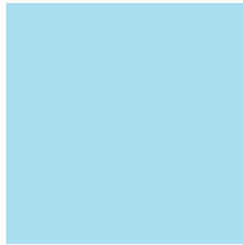
11.8577, 0.4038, 0.1998



1.0030, 0.3904, 0.1924

Previews

White Background



This preview shows how the Yxy color 66.5502, 0.2681, 0.3068 looks on a white background.

Color Contrast Check

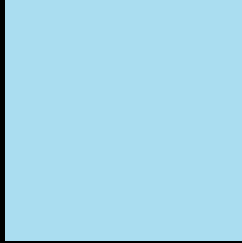
Large Text (above 18pt) WCAG AA × Fail

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 66.5502, 0.2681, 0.3068 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 66.5502, 0.2681, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 66.5502, 0.2681, 0.3068.

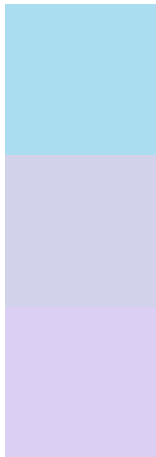


This preview shows how white text looks on a background with the Yxy color 66.5502, 0.2681, 0.3068.

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

66.5502, 0.2681, 0.3068

Protanopia

66.2307, 0.2967, 0.3036

Deuteranopia

66.1568, 0.2971, 0.2903



Tritanopia

66.4909, 0.2687, 0.3079

Trichromacy



Original Color

66.5502, 0.2681, 0.3068

Protanomaly

66.2591, 0.2854, 0.3052

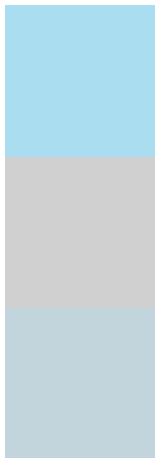
Deuteranomaly

65.9153, 0.2855, 0.2957

Tritanomaly

66.4909, 0.2687, 0.3079

Monochromacy



Original Color

66.5502, 0.2681, 0.3068

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.2251, 0.2945, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5502, 0.2681, 0.3068 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, 221, 240)` looks like.

```
.text, #text, p{  
    color:rgb(170, 221, 240)  
}
```

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, 221, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 221, 240) }
```

Border

The CSS property to change the border of an element to Yxy 66.5502, 0.2681, 0.3068 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, 221, 240) }
```

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

```
.border{ border-color:rgb(170, 221, 240) }
```

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

Here you see how a box with a 4 pixel rgb(170, 221, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 221, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 221, 240);  
box-shadow:4px 4px 4px 4px rgb(170, 221,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5502, 0.2681, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 221, 240) }
```

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

```
.background{ background-color: rgb(170,  
221, 240) }
```

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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