

Converting Colors

$Yxy(69.7201, 0.2658, 0.3117)$

Have a look what the booklet for
Yxy(69.7201, 0.2658, 0.3117)
contains.

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Color

Yxy(69.4560, 0.2656, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	A6E3F2
RGB	166, 227, 242
RGB Percent	65%, 89%, 95%
CMY	0.3490, 0.1098, 0.0509
CMYK	0.31, 0.06, 0.00, 0.05
HSL	192°, 75%, 80%
HSV	192°, 31%, 95%
XYZ	59.2216, 69.4560, 94.2952
YIQ	210.4710, -41.1710, -8.2670

Conversions

Conversions Part 2

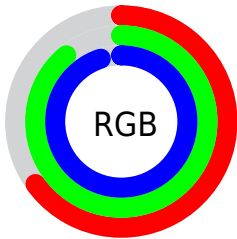
Format	Color
R_{YB}	166, 200, 242
Decimal	10937330
CIE _{Lab}	86.73, -15.74, -13.52
CIE _{LCh}	87, 20.751, 220.648
Yxy	69.4560, 0.2656, 0.3115
Android (android.graphics.Color)	4289127410 (0xFFA6E3F2)
YUV	210.4710, 15.5438, -39.0011
Hunter-Lab	83.3403, -19.0035, -8.7454

Details

The Yxy color **69.4560, 0.2656, 0.3115** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.6789, 0.3795, 0.3457**, and the grayscale version is **64.6916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **36.4297, 0.2546, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **64.5079, 0.2522, 0.3050**, and if you desaturate by 10%, it is **74.9742, 0.2800, 0.3176**.

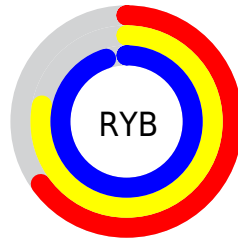
Distribution



Red (65%)

Green (89%)

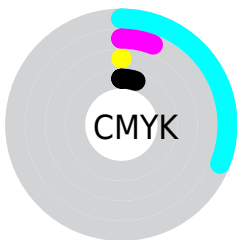
Blue (95%)



Red (65%)

Yellow (78%)

Blue (95%)

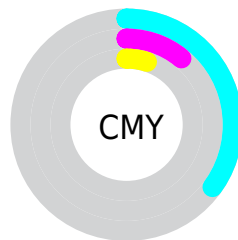


Cyan (31%)

Magenta (6%)

Yellow (0%)

Black (5%)



Cyan (35%)


Magenta (11%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.4560, 0.2656, 0.3115 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 69.4560, 0.2656, 0.3115 by changing the saturation by 10% instead.


 69.4560, 0.2656,
0.3115


 69.4560, 0.2656,
0.3115


458.6376, 0.2872,
0.3200

 51.0832, 0.2607,
0.3095


 118.4326, 0.2731,
0.3145

 36.2748, 0.2547,
0.3069


 149.8052, 0.2760,
0.3157

 24.6465, 0.2472,
0.3035


186.2799, 0.2785,
0.3167

 15.8139, 0.2374,
0.2990

228.2410, 0.2807,
0.3175

 9.3925, 0.2243,
0.2927

276.0729, 0.2826,
0.3183

 4.9981, 0.2058,
0.2831

330.1600, 0.2843,

 2.2461, 0.1782,

0.3189

0.2674

390.8868, 0.2858,
0.3195

0.7450, 0.1057,
0.2433

0.0000, 0.0000,
0.0000

69.4560, 0.2656,
0.3115

69.4560, 0.2656,
0.3115

64.5079, 0.2522,
0.3050

74.9742, 0.2800,
0.3176

60.0933, 0.2400,
0.2982

81.0804, 0.2951,
0.3232

56.1841, 0.2295,
0.2911

87.8015, 0.3105,
0.3283

52.7456, 0.2208,
0.2839

93.6512, 0.3209,
0.3330

■ 49.7382, 0.2141,
0.2766

■ 96.5964, 0.3206,
0.3376

■ 47.1143, 0.2093,
0.2694

■ 99.1913, 0.3203,
0.3415

■ 45.1023, 0.2065,
0.2633

Harmonies

Analogous

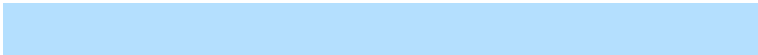
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.4560, 0.2763, 0.3349



69.4560, 0.2656, 0.3115



69.4560, 0.2669, 0.2943

Triad

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



69.4560, 0.2656, 0.3115



69.4560, 0.3277, 0.3028



69.4560, 0.3455, 0.3731

Complementary

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



69.4560, 0.2656, 0.3115



54.6789, 0.3795, 0.3457

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.



69.4560, 0.3605, 0.3621



69.4560, 0.2656, 0.3115



69.4560, 0.3501, 0.3218

Square

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



69.4560, 0.2656, 0.3115



69.4560, 0.3019, 0.2902



69.4560, 0.3623, 0.3432



69.4560, 0.3220, 0.3718

Rectangle

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



69.4560, 0.2656, 0.3115



69.4560, 0.2743, 0.2882



69.4560, 0.3623, 0.3432



69.4560, 0.3517, 0.3706

Sweetspot

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



69.4588, 0.2656, 0.3115



93.0479, 0.2988, 0.3245



74.9084, 0.3007, 0.4043



19.6871, 0.2965, 0.3237



0.0000, 0.0000, 0.0000



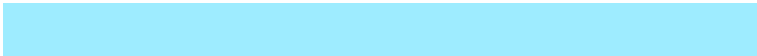
21.4041, 0.3127, 0.3290

Same Dimension

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



69.4588, 0.2656, 0.3115



74.4175, 0.2565, 0.3072



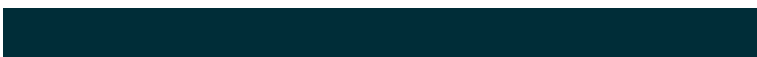
51.3733, 0.2602, 0.2664



17.3679, 0.2981, 0.3242



24.4238, 0.2068, 0.2644



2.1653, 0.2094, 0.2739

Inverse Universe

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



51.6957, 0.3287, 0.2650



51.7966, 0.3330, 0.2514



71.7423, 0.3674, 0.3845



15.9748, 0.3168, 0.3102



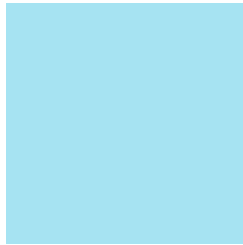
12.2590, 0.3781, 0.1857



1.0333, 0.3692, 0.1807

Previews

White Background



This preview shows how the Yxy color 69.4560, 0.2656, 0.3115 looks on a white background.

Color Contrast Check

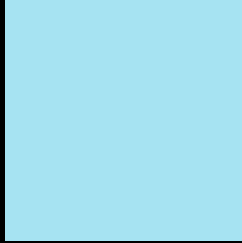
Large Text (above 18pt) WCAG AA × Fail

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 69.4560, 0.2656, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

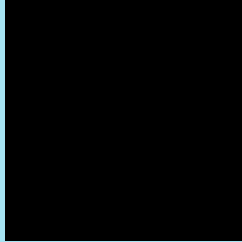
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.4560, 0.2656, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 69.4560, 0.2656, 0.3115.

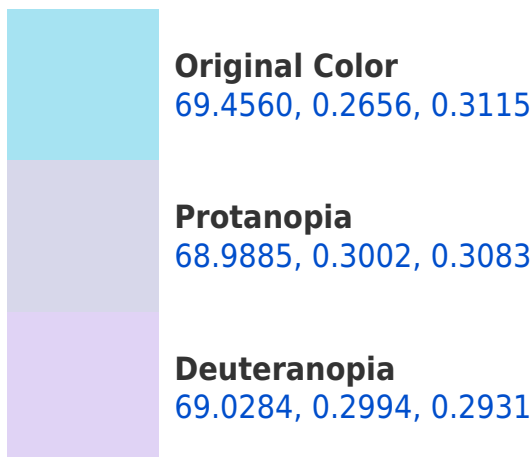


This preview shows how white text looks on a background with the Yxy color 69.4560, 0.2656, 0.3115.

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

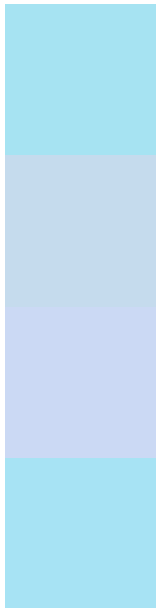




Tritanopia

69.7462, 0.2646, 0.3082

Trichromacy



Original Color

69.4560, 0.2656, 0.3115

Protanomaly

68.6478, 0.2863, 0.3088

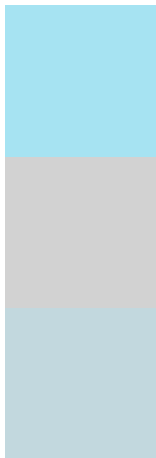
Deuteranomaly

68.8539, 0.2859, 0.2993

Tritanomaly

69.6853, 0.2651, 0.3093

Monochromacy



Original Color

69.4560, 0.2656, 0.3115

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.8550, 0.2933, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4560, 0.2656, 0.3115 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(166, 227, 242)` looks like.

```
.text, #text, p{  
    color:rgb(166, 227, 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(166, 227, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 227, 242) }
```

Border

The CSS property to change the border of an element to Yxy 69.4560, 0.2656, 0.3115 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(166, 227, 242) }
```

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

```
.border{ border-color:rgb(166, 227, 242) }
```

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

Here you see how a box with a 4 pixel rgb(166, 227, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 227, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 227, 242);  
box-shadow:4px 4px 4px 4px rgb(166, 227,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4560, 0.2656, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 227, 242) }
```

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

```
.background{ background-color: rgb(166,  
227, 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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