

Converting Colors

$Y_{xy}(68.4722, 0.2554, 0.3161)$

Have a look what the booklet for
Yxy(68.4722, 0.2554, 0.3161)
contains.

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Color

Yxy(68.2592, 0.2555, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	90E5F0
RGB	144, 229, 240
RGB Percent	56%, 90%, 94%
CMY	0.4355, 0.1019, 0.0588
CMYK	0.40, 0.05, 0.00, 0.06
HSL	187°, 76%, 75%
HSV	187°, 40%, 94%
XYZ	55.2430, 68.2592, 92.7132
YIQ	204.8390, -54.1910, -14.5990

Conversions

Conversions Part 2

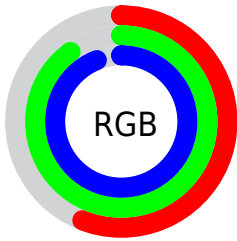
Format	Color
RYB	144, 189, 240
Decimal	9496048
CIELab	86.14, -22.97, -13.47
CIElCh	86, 26.629, 210.383
Yxy	68.2592, 0.2555, 0.3157
Android (android.graphics.Color)	4287686128 (0xFF90E5F0)
YUV	204.8390, 17.3344, -53.3558
Hunter-Lab	82.6191, -25.2300, -8.7004

Details

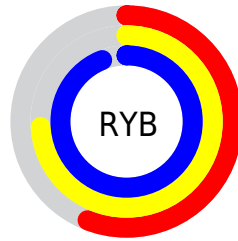
The Yxy color **68.2592, 0.2555, 0.3157** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **43.9654, 0.4093, 0.3416**, and the grayscale version is **60.8505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **35.3741, 0.2423, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **64.8171, 0.2441, 0.3119**, and if you desaturate by 10%, it is **72.1900, 0.2684, 0.3194**.

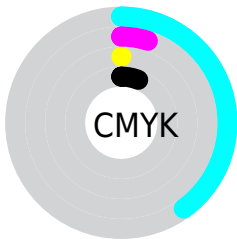
Distribution



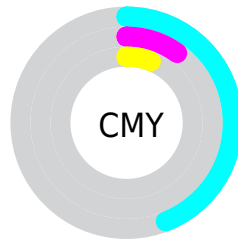
- Red (56%)
- Green (90%)
- Blue (94%)



- Red (56%)
- Yellow (74%)
- Blue (94%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)




- Cyan (44%)
- Magenta (10%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2592, 0.2555, 0.3157 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 68.2592, 0.2555, 0.3157 by changing the saturation by 10% instead.

 68.2592, 0.2555,
0.3157


 68.2592, 0.2555,
0.3157


454.4138, 0.2817,
0.3225

 50.1086, 0.2496,
0.3140


 116.7229, 0.2645,
0.3182

 35.4997, 0.2423,
0.3118


 147.8048, 0.2681,
0.3191

 24.0481, 0.2332,
0.3089


183.9659, 0.2711,
0.3199

 15.3693, 0.2215,
0.3049

225.5906, 0.2738,
0.3206

 9.0790, 0.2057,
0.2991

273.0634, 0.2761,
0.3212

 4.7927, 0.1838,
0.2901

326.7686, 0.2782,

 2.1262, 0.1514,

0.3217

387.0906, 0.2801,
0.3221

0.2745

0.6793, 0.0322,
0.2575

0.0000, 0.0000,
0.0000

68.2592, 0.2555,
0.3157

68.2592, 0.2555,
0.3157

64.8171, 0.2441,
0.3119

72.1900, 0.2684,
0.3194

61.8263, 0.2344,
0.3079


76.6285, 0.2824,
0.3228


59.2565, 0.2266,
0.3039


81.6021, 0.2972,
0.3260


57.0701, 0.2208,
0.2998


87.1341, 0.3127,
0.3290

 55.2225, 0.2168,
0.2958


 91.5085, 0.3224,
0.3317

 53.6422, 0.2144,
0.2919

 93.1641, 0.3222,
0.3344

 94.8445, 0.3220,
0.3370

 96.5497, 0.3218,
0.3396

 98.2799, 0.3215,
0.3422

Harmonies

Analogous

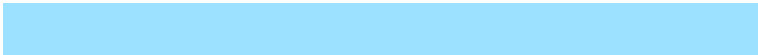
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.2592, 0.2737, 0.3472



68.2592, 0.2555, 0.3157



68.2592, 0.2519, 0.2903

Triad

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



68.2592, 0.2555, 0.3157



68.2592, 0.3203, 0.2890



68.2592, 0.3630, 0.3824

Complementary

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



68.2592, 0.2555, 0.3157



43.9654, 0.4093, 0.3416

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.



68.2592, 0.3773, 0.3634



68.2592, 0.2555, 0.3157



68.2592, 0.3521, 0.3106

Square

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



68.2592, 0.2555, 0.3157



68.2592, 0.2879, 0.2768



68.2592, 0.3734, 0.3373



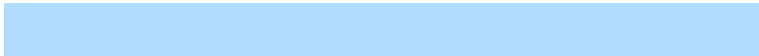
68.2592, 0.3354, 0.3873

Rectangle

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



68.2592, 0.2555, 0.3157



68.2592, 0.2580, 0.2798



68.2592, 0.3734, 0.3373



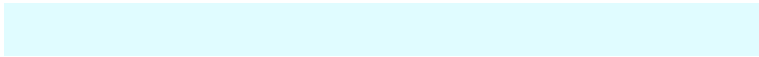
68.2592, 0.3696, 0.3773

Sweetspot

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



68.2619, 0.2555, 0.3157



92.4354, 0.2942, 0.3254



70.5721, 0.3019, 0.4398



19.6208, 0.2922, 0.3250



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.



68.2619, 0.2555, 0.3157



75.0731, 0.2461, 0.3126



45.8253, 0.2462, 0.2563



17.6017, 0.2981, 0.3262



29.4862, 0.2146, 0.2925



2.5400, 0.2161, 0.2978

Inverse Universe

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



44.1155, 0.3270, 0.2402



44.2754, 0.3305, 0.2236



62.5876, 0.3881, 0.3918



15.9984, 0.3155, 0.3084



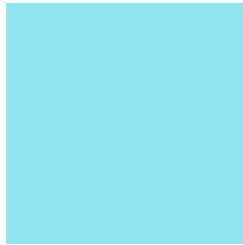
12.7700, 0.3521, 0.1713



1.0711, 0.3474, 0.1687

Previews

White Background



This preview shows how the Yxy color 68.2592, 0.2555, 0.3157 looks on a white background.

Color Contrast Check

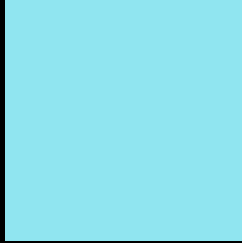
Large Text (above 18pt) WCAG AA × Fail

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 68.2592, 0.2555, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

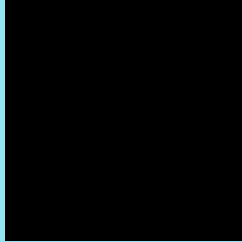
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.2592, 0.2555, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 68.2592, 0.2555, 0.3157.

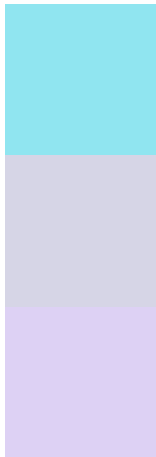


This preview shows how white text looks on a background with the Yxy color 68.2592, 0.2555, 0.3157.

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

68.2592, 0.2555, 0.3157

Protanopia

67.5978, 0.3021, 0.3103

Deuteranopia

67.5047, 0.2979, 0.2917



Tritanopia

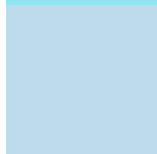
68.2516, 0.2534, 0.3076

Trichromacy



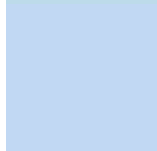
Original Color

68.2592, 0.2555, 0.3157



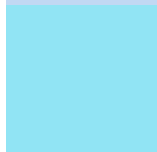
Protanomaly

67.4224, 0.2829, 0.3118



Deuteranomaly

66.9203, 0.2800, 0.2987



Tritanomaly

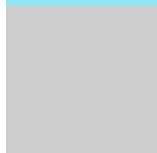
68.0382, 0.2539, 0.3099

Monochromacy



Original Color

68.2592, 0.2555, 0.3157



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.2224, 0.2883, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2592, 0.2555, 0.3157 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(144, 229, 240)` looks like.

```
.text, #text, p{  
    color:rgb(144, 229, 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(144, 229, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 229, 240) }
```

Border

The CSS property to change the border of an element to Yxy 68.2592, 0.2555, 0.3157 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(144, 229, 240) }
```

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

```
.border{ border-color:rgb(144, 229, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 229, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 229, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 229, 240); box-shadow:4px 4px 4px 4px rgb(144, 229, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2592, 0.2555, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 229, 240) }
```

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

```
.background{ background-color: rgb(144,  
229, 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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