

# Converting Colors

$Yxy(66.7522, 0.2725, 0.3604)$

Have a look what the booklet for  
Yxy(66.7522, 0.2725, 0.3604)  
contains.

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# Color

**Yxy(66.7522, 0.2725, 0.3604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EE6CD
RGB	142, 230, 205
RGB Percent	56%, 90%, 80%
CMY	0.4432, 0.0980, 0.1960
CMYK	0.38, 0.00, 0.11, 0.10
HSL	163°, 64%, 73%
HSV	163°, 38%, 90%
XYZ	50.4716, 66.7522, 67.9932
YIQ	200.8380, -44.4230, -26.4310

# Conversions

## Conversions Part 2

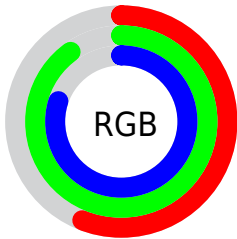
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 193, 230
Decimal	9365197
CIELab	85.38, -32.08, 3.84
CIElCh	85, 32.314, 173.171
Yxy	66.7522, 0.2725, 0.3604
Android (android.graphics.Color)	4287555277 (0xFF8EE6CD)
YUV	200.8380, 2.0519, -51.6009
Hunter-Lab	81.7020, -32.7097, 7.8497

# Details

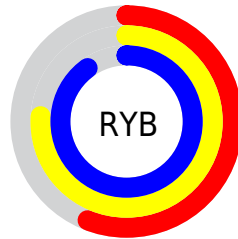
The Yxy color **66.7522, 0.2725, 0.3604** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.9558, 0.3799, 0.3003**, and the grayscale version is **58.3113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **34.5327, 0.2627, 0.3680** is the 20% darker color. If you saturate the color by 10%, you get **64.6174, 0.2644, 0.3702**, and if you desaturate by 10%, it is **69.3253, 0.2819, 0.3512**.

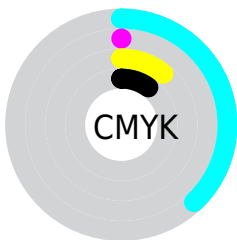
# Distribution



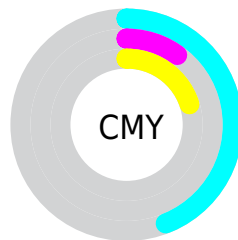
- Red (56%)
- Green (90%)
- Blue (80%)



- Red (56%)
- Yellow (76%)
- Blue (90%)



- Cyan (38%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)



- Cyan (44%)
- Magenta (10%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7522, 0.2725, 0.3604 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 66.7522, 0.2725, 0.3604 by changing the saturation by 10% instead.




 66.7522, 0.2725,  
0.3604

 66.7522, 0.2725,  
0.3604


449.0622, 0.2915,  
0.3454

 48.8833, 0.2681,  
0.3639


 114.5653, 0.2792,  
0.3551

 34.5269, 0.2626,  
0.3684


 145.2782, 0.2817,  
0.3531

 23.2987, 0.2555,  
0.3741


181.0413, 0.2839,  
0.3513

 14.8142, 0.2462,  
0.3818

222.2388, 0.2858,  
0.3498

 8.6891, 0.2333,  
0.3925

269.2553, 0.2875,  
0.3485

 4.5389, 0.2143,  
0.4088

322.4751, 0.2890,

 1.9794, 0.1838,

0.3474

382.2826, 0.2903,  
0.3463

0.4358

0.5955, 0.0000,  
0.6106

0.0000, 0.0000,  
0.0000

66.7522, 0.2725,  
0.3604

66.7522, 0.2725,  
0.3604

64.6174, 0.2644,  
0.3702

69.3253, 0.2819,  
0.3512

62.8865, 0.2580,  
0.3805


72.3525, 0.2922,  
0.3427

61.5334, 0.2533,  
0.3912


75.8587, 0.3033,  
0.3349


60.5248, 0.2507,  
0.4020


79.8645, 0.3147,  
0.3278

 59.8221, 0.2500,  
0.4128

 84.0097, 0.3250,  
0.3215

 59.3695, 0.2512,  
0.4235

 84.3998, 0.3207,  
0.3152

 59.3024, 0.2515,  
0.4253

 84.8040, 0.3166,  
0.3089

 85.0763, 0.3138,  
0.3048

# Harmonies

## Analogous

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



66.7522, 0.3095, 0.3911



66.7522, 0.2725, 0.3604



66.7522, 0.2471, 0.3212

# Triad

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



66.7522, 0.2725, 0.3604



66.7522, 0.2741, 0.2646



66.7522, 0.3928, 0.3628

# Complementary

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



66.7522, 0.2725, 0.3604



38.9558, 0.3799, 0.3003

# 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.



66.7522, 0.3826, 0.3305



66.7522, 0.2725, 0.3604



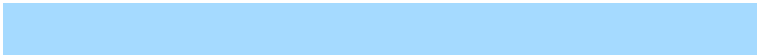
66.7522, 0.3118, 0.2761

# Square

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



66.7522, 0.2725, 0.3604



66.7522, 0.2481, 0.2680



66.7522, 0.3522, 0.2996



66.7522, 0.3799, 0.3894



# Rectangle

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



66.7522, 0.2725, 0.3604



66.7522, 0.2394, 0.2975



66.7522, 0.3522, 0.2996



66.7522, 0.3920, 0.3523

# Sweetspot

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



66.7549, 0.2725, 0.3604



94.5605, 0.3001, 0.3370



66.9172, 0.3246, 0.4396



20.1078, 0.2986, 0.3380



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

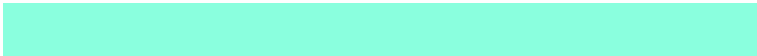


# Same Dimension

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



66.7549, 0.2725, 0.3604



82.1556, 0.2659, 0.3682



58.7514, 0.2564, 0.3069



16.2630, 0.3019, 0.3358



33.5941, 0.2510, 0.4236



2.4982, 0.2467, 0.4081



# Inverse Universe

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



38.9558, 0.3799, 0.3003



42.2912, 0.4014, 0.2945



43.7771, 0.3995, 0.3497



14.4349, 0.3248, 0.3224



9.7604, 0.5813, 0.2976



0.7368, 0.5396, 0.2746



# Previews

## White Background



This preview shows how the Yxy color 66.7522, 0.2725, 0.3604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

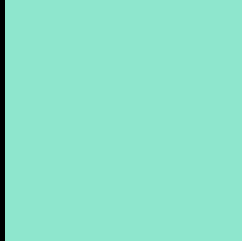
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7522, 0.2725, 0.3604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

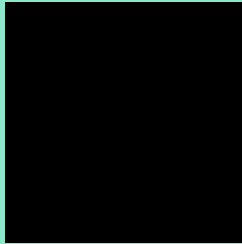
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

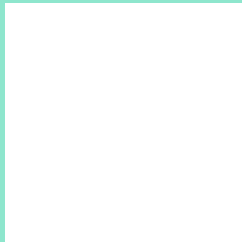
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.7522, 0.2725, 0.3604**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7522, 0.2725, 0.3604.

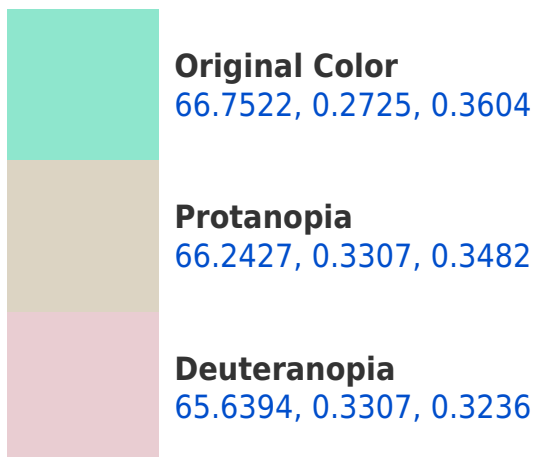


This preview shows how white text looks on a background with the Yxy color 66.7522, 0.2725, 0.3604.

# 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

66.9008, 0.2568, 0.3075

# Trichromacy



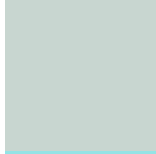
## Original Color

66.7522, 0.2725, 0.3604



## Protanomaly

65.9930, 0.3066, 0.3527



## Deuteranomaly

64.9266, 0.3066, 0.3360



## Tritanomaly

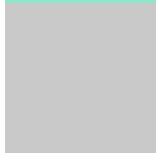
66.8912, 0.2627, 0.3264

# Monochromacy



## Original Color

66.7522, 0.2725, 0.3604



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

61.0545, 0.2963, 0.3412

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7522, 0.2725, 0.3604 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(142, 230, 205)` looks like.

```
.text, #text, p{  
    color:rgb(142, 230, 205)  
}
```

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(142, 230, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 230, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7522, 0.2725, 0.3604 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(142, 230, 205) }
```

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

```
.border{ border-color:rgb(142, 230, 205) }
```

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

Here you see how a box with a 4 pixel rgb(142, 230, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 230, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 230, 205);  
box-shadow:4px 4px 4px 4px rgb(142, 230,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7522, 0.2725, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 230, 205) }
```

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

```
.background{ background-color: rgb(142,  
230, 205) }
```

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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