

Converting Colors

$Yxy(66.9610, 0.2615, 0.3567)$

Have a look what the booklet for
Yxy(66.9610, 0.2615, 0.3567)
contains.

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Color

Yxy(66.7763, 0.2613, 0.3556)

Conversions

Conversions Part 1

Format	Color
Hex	7DE8D3
RGB	125, 232, 211
RGB Percent	49%, 91%, 83%
CMY	0.5100, 0.0902, 0.1725
CMYK	0.46, 0.00, 0.09, 0.09
HSL	168°, 70%, 70%
HSV	168°, 46%, 91%
XYZ	49.0682, 66.7763, 71.9404
YIQ	197.6130, -57.0310, -29.2150

Conversions

Conversions Part 2

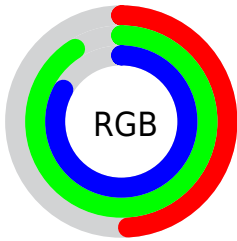
Format	Color
RYB	125, 184, 232
Decimal	8251603
CIELab	85.39, -35.93, 0.62
CIELCh	85, 35.931, 179.015
Yxy	66.7763, 0.2613, 0.3556
Android (android.graphics.Color)	4286441683 (0xFF7DE8D3)
YUV	197.6130, 6.5998, -63.6816
Hunter-Lab	81.7168, -35.8211, 5.0050

Details

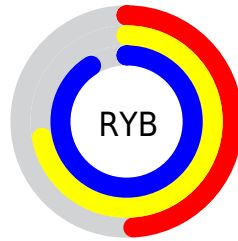
The Yxy color **66.7763, 0.2613, 0.3556** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **33.8872, 0.4126, 0.3053**, and the grayscale version is **56.2056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **34.6088, 0.2485, 0.3615** is the 20% darker color. If you saturate the color by 10%, you get **65.0078, 0.2537, 0.3625**, and if you desaturate by 10%, it is **68.9643, 0.2705, 0.3491**.

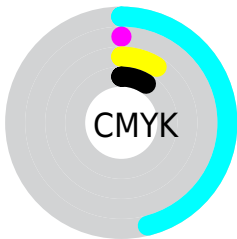
Distribution



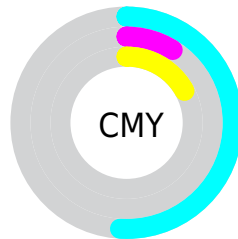
- Red (49%)
- Green (91%)
- Blue (83%)



- Red (49%)
- Yellow (72%)
- Blue (91%)



- Cyan (46%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)




- Cyan (51%)
- Magenta (9%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7763, 0.2613, 0.3556 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 66.7763, 0.2613, 0.3556 by changing the saturation by 10% instead.


 66.7763, 0.2613,
0.3556


 66.7763, 0.2613,
0.3556


449.1481, 0.2854,
0.3431


 48.9029, 0.2558,
0.3585


 114.5998, 0.2697,
0.3512

 34.5424, 0.2489,
0.3621


 145.3187, 0.2729,
0.3496

 23.3106, 0.2401,
0.3666


 181.0881, 0.2757,
0.3481

 14.8230, 0.2286,
0.3727

222.2926, 0.2782,
0.3468

 8.6953, 0.2129,
0.3809

269.3164, 0.2803,
0.3457

 4.5430, 0.1902,
0.3929

322.5440, 0.2822,

 1.9817, 0.1544,

0.3448

0.4121

382.3598, 0.2839,
0.3439

■ 0.5968, 0.0000,
0.4959

■ 0.0000, 0.0000,
0.0000

■ 66.7763, 0.2613,
0.3556

■ 66.7763, 0.2613,
0.3556

■ 65.0078, 0.2537,
0.3625

■ 68.9643, 0.2705,
0.3491

■ 63.6219, 0.2480,
0.3695


■ 71.5899, 0.2810,
0.3429

■ 62.5886, 0.2442,
0.3767


■ 74.6797, 0.2926,
0.3372


■ 61.8699, 0.2424,
0.3839

■ 78.2559, 0.3049,
0.3320


 61.4185, 0.2424,
0.3910

 82.3392, 0.3177,
0.3272

 61.2853, 0.2427,
0.3938

 85.1698, 0.3244,
0.3228

 85.4412, 0.3215,
0.3184

 85.7193, 0.3185,
0.3140

 86.0043, 0.3157,
0.3097

Harmonies

Analogous

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



66.7763, 0.3003, 0.3934



66.7763, 0.2613, 0.3556



66.7763, 0.2369, 0.3117

Triad

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



66.7763, 0.2613, 0.3556



66.7763, 0.2771, 0.2593



66.7763, 0.4009, 0.3724

Complementary

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



66.7763, 0.2613, 0.3556



33.8872, 0.4126, 0.3053

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.



66.7763, 0.3948, 0.3373



66.7763, 0.2613, 0.3556



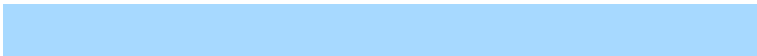
66.7763, 0.3205, 0.2749

Square

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



66.7763, 0.2613, 0.3556



66.7763, 0.2456, 0.2595



66.7763, 0.3645, 0.3026



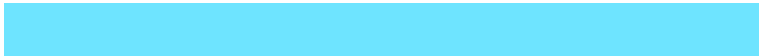
66.7763, 0.3817, 0.3999

Rectangle

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



66.7763, 0.2613, 0.3556



66.7763, 0.2311, 0.2871



66.7763, 0.3645, 0.3026



66.7763, 0.4018, 0.3611

Sweetspot

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



66.7789, 0.2613, 0.3556



93.4039, 0.2951, 0.3361



65.3425, 0.3189, 0.4685



19.7980, 0.2925, 0.3373



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.



66.7789, 0.2613, 0.3556



80.7215, 0.2543, 0.3619



51.4425, 0.2437, 0.2873



16.2854, 0.3008, 0.3336



34.0384, 0.2424, 0.3926



2.5277, 0.2395, 0.3822

Inverse Universe

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



33.8872, 0.4126, 0.3053



35.4251, 0.4448, 0.3016



42.7752, 0.4196, 0.3660



14.4140, 0.3262, 0.3244



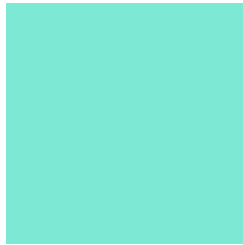
9.6456, 0.6080, 0.3123



0.7257, 0.5684, 0.2905

Previews

White Background



This preview shows how the Yxy color 66.7763, 0.2613, 0.3556 looks on a white background.

Color Contrast Check

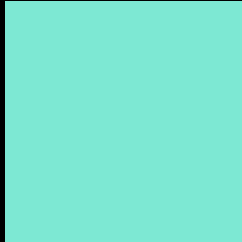
Large Text (above 18pt) WCAG AA × Fail

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 66.7763, 0.2613, 0.3556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

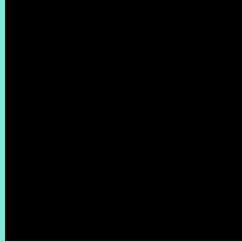
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

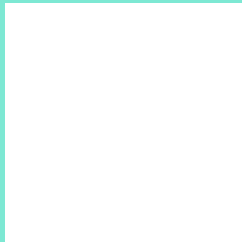
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.7763, 0.2613, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 66.7763, 0.2613, 0.3556.

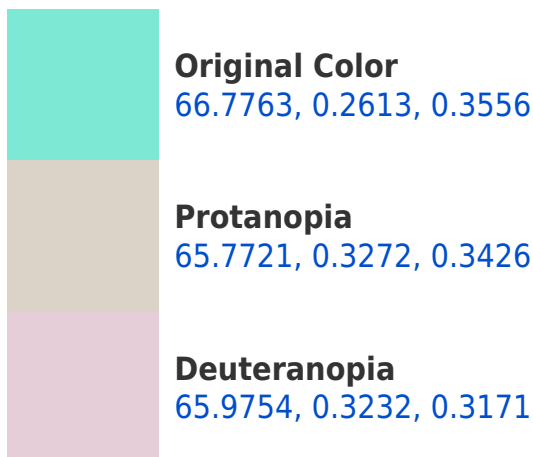


This preview shows how white text looks on a background with the Yxy color 66.7763, 0.2613, 0.3556.

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

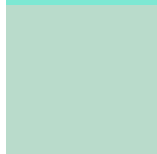
66.6816, 0.2485, 0.3072

Trichromacy



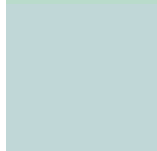
Original Color

66.7763, 0.2613, 0.3556



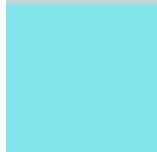
Protanomaly

65.2891, 0.2992, 0.3481



Deuteranomaly

64.7136, 0.2964, 0.3290



Tritanomaly

66.7471, 0.2528, 0.3239

Monochromacy



Original Color

66.7763, 0.2613, 0.3556



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.0629, 0.2894, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7763, 0.2613, 0.3556 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(125, 232, 211)` looks like.

```
.text, #text, p{  
    color:rgb(125, 232, 211)  
}
```

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(125, 232, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 232, 211) }
```

Border

The CSS property to change the border of an element to Yxy 66.7763, 0.2613, 0.3556 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(125, 232, 211) }
```

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

```
.border{ border-color:rgb(125, 232, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 232, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 232, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 232, 211);  
box-shadow:4px 4px 4px 4px rgb(125, 232,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7763, 0.2613, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 232, 211) }
```

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

```
.background{ background-color: rgb(125,  
232, 211) }
```

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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