

Converting Colors

$Yxy(66.4024, 0.2571, 0.3410)$

Have a look what the booklet for
Yxy(66.4024, 0.2571, 0.3410)
contains.

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Color

Yxy(66.3261, 0.2569, 0.3401)

Conversions

Conversions Part 1

Format	Color
Hex	7FE6DD
RGB	127, 230, 221
RGB Percent	50%, 90%, 87%
CMY	0.5021, 0.0980, 0.1332
CMYK	0.45, 0.00, 0.04, 0.10
HSL	175°, 67%, 70%
HSV	175°, 45%, 90%
XYZ	50.1005, 66.3261, 78.5928
YIQ	198.1770, -58.4990, -24.6350

Conversions

Conversions Part 2

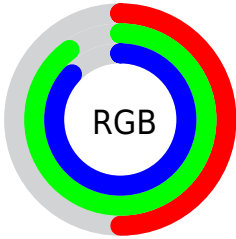
Format	Color
R _{YB}	127, 181, 230
Decimal	8382173
CIE Lab	85.16, -32.15, -4.99
CIE LCh	85, 32.532, 188.820
Yxy	66.3261, 0.2569, 0.3401
Android (android.graphics.Color)	4286572253 (0xFF7FE6DD)
YUV	198.1770, 11.2517, -62.4222
Hunter-Lab	81.4408, -32.7125, -0.2080

Details

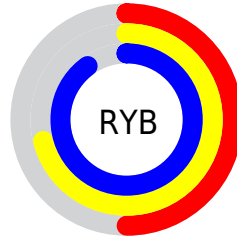
The Yxy color **66.3261, 0.2569, 0.3401** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.7711, 0.4219, 0.3190**, and the grayscale version is **56.5405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **34.2542, 0.2439, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **64.6541, 0.2482, 0.3430**, and if you desaturate by 10%, it is **68.4076, 0.2672, 0.3373**.

Distribution



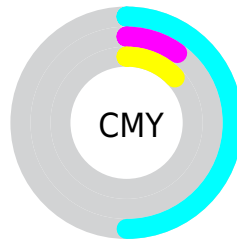
- Red (50%)
- Green (90%)
- Blue (87%)



- Red (50%)
- Yellow (71%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)





- Cyan (50%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3261, 0.2569, 0.3401 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 66.3261, 0.2569, 0.3401 by changing the saturation by 10% instead.


 66.3261, 0.2569,
0.3401


 66.3261, 0.2569,
0.3401


447.5422, 0.2828,
0.3353


 48.5372, 0.2510,
0.3411


 113.9542, 0.2659,
0.3385

 34.2525, 0.2437,
0.3423


 144.5623, 0.2694,
0.3379

 23.0876, 0.2344,
0.3438


 180.2121, 0.2724,
0.3373

 14.6582, 0.2223,
0.3455

221.2881, 0.2750,
0.3368

 8.5799, 0.2060,
0.3476

268.1747, 0.2773,
0.3364

 4.4682, 0.1827,
0.3501

321.2564, 0.2794,

 1.9388, 0.1473,

0.3360

0.3522

380.9174, 0.2812,
0.3356

0.5715, 0.0000,
0.3705

0.0000, 0.0000,
0.0000

66.3261, 0.2569,
0.3401

66.3261, 0.2569,
0.3401

64.6541, 0.2482,
0.3430

68.4076, 0.2672,
0.3373

63.3559, 0.2414,
0.3459


70.9160, 0.2790,
0.3347


62.4030, 0.2366,
0.3489


73.8770, 0.2920,
0.3323

61.7588, 0.2337,
0.3519

77.3121, 0.3059,
0.3300

 61.3789, 0.2325,
0.3549


 81.2413, 0.3203,
0.3280

 61.2488, 0.2323,
0.3564

 83.7424, 0.3280,
0.3260

 83.8576, 0.3267,
0.3241

 83.9740, 0.3254,
0.3221

 84.0917, 0.3241,
0.3201

Harmonies

Analogous

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



66.3261, 0.2890, 0.3775



66.3261, 0.2569, 0.3401



66.3261, 0.2398, 0.3020

Triad

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



66.3261, 0.2569, 0.3401



66.3261, 0.2926, 0.2684



66.3261, 0.3895, 0.3783

Complementary

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



66.3261, 0.2569, 0.3401



33.7711, 0.4219, 0.3190

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.



66.3261, 0.3915, 0.3477



66.3261, 0.2569, 0.3401



66.3261, 0.3335, 0.2868

Square

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



66.3261, 0.2569, 0.3401



66.3261, 0.2593, 0.2637



66.3261, 0.3706, 0.3150



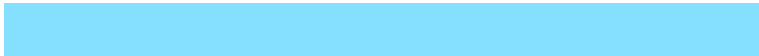
66.3261, 0.3660, 0.3985

Rectangle

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



66.3261, 0.2569, 0.3401



66.3261, 0.2384, 0.2823



66.3261, 0.3706, 0.3150



66.3261, 0.3928, 0.3688

Sweetspot

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



66.3287, 0.2569, 0.3401



94.0615, 0.2943, 0.3319



63.4696, 0.3123, 0.4666



19.9395, 0.2913, 0.3324



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.



66.3287, 0.2569, 0.3401



81.7947, 0.2486, 0.3428



46.5289, 0.2431, 0.2747



16.3136, 0.2993, 0.3310



34.6831, 0.2322, 0.3559



2.5694, 0.2310, 0.3516

Inverse Universe

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



33.7711, 0.4219, 0.3190



35.6452, 0.4597, 0.3174



46.4290, 0.4096, 0.3766



14.3883, 0.3279, 0.3270



9.5603, 0.6301, 0.3245



0.7135, 0.6055, 0.3109

Previews

White Background



This preview shows how the Yxy color 66.3261, 0.2569, 0.3401 looks on a white background.

Color Contrast Check

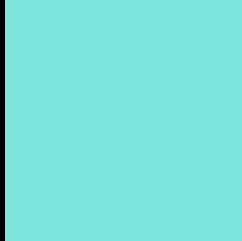
Large Text (above 18pt) WCAG AA × Fail

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 66.3261, 0.2569, 0.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

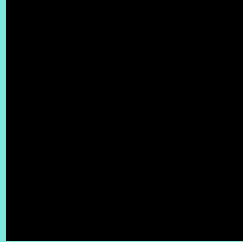
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3261, 0.2569, 0.3401

Background



This preview shows how black text looks on a background with the Yxy color 66.3261, 0.2569, 0.3401.

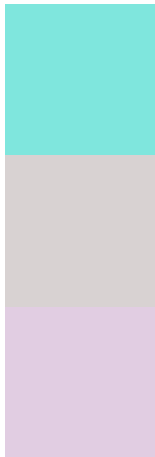


This preview shows how white text looks on a background with the Yxy color 66.3261, 0.2569, 0.3401.

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

66.3261, 0.2569, 0.3401

Protanopia

65.3453, 0.3172, 0.3290

Deuteranopia

65.1612, 0.3130, 0.3062



Tritanopia

66.0536, 0.2479, 0.3060

Trichromacy



Original Color

66.3261, 0.2569, 0.3401



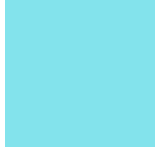
Protanomaly

64.6711, 0.2916, 0.3325



Deuteranomaly

64.2938, 0.2886, 0.3173



Tritanomaly

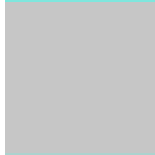
65.8196, 0.2509, 0.3178

Monochromacy



Original Color

66.3261, 0.2569, 0.3401



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.3201, 0.2882, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3261, 0.2569, 0.3401 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(127, 230, 221)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 221)  
}
```

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(127, 230, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 221) }
```

Border

The CSS property to change the border of an element to Yxy 66.3261, 0.2569, 0.3401 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(127, 230, 221) }
```

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

```
.border{ border-color:rgb(127, 230, 221) }
```

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

Here you see how a box with a 4 pixel rgb(127, 230, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 230, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 230, 221);  
box-shadow:4px 4px 4px 4px rgb(127, 230,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3261, 0.2569, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 230, 221) }
```

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

```
.background{ background-color: rgb(127,  
230, 221) }
```

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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