

Converting Colors

$Yxy(67.3763, 0.2590, 0.3604)$

Have a look what the booklet for
Yxy(67.3763, 0.2590, 0.3604)
contains.

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Color

Yxy(67.2807, 0.2587, 0.3596)

Conversions

Conversions Part 1

Format	Color
Hex	75EAD2
RGB	117, 234, 210
RGB Percent	46%, 92%, 82%
CMY	0.5408, 0.0824, 0.1764
CMYK	0.50, 0.00, 0.10, 0.08
HSL	168°, 74%, 69%
HSV	168°, 50%, 92%
XYZ	48.4024, 67.2807, 71.4156
YIQ	196.2810, -62.0280, -32.2680

Conversions

Conversions Part 2

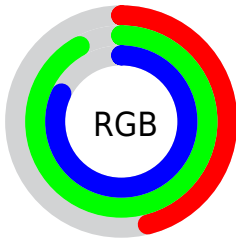
Format	Color
RYB	117, 182, 234
Decimal	7727826
CIELab	85.65, -38.85, 1.48
CIELCh	86, 38.873, 177.817
Yxy	67.2807, 0.2587, 0.3596
Android (android.graphics.Color)	4285917906 (0xFF75EAD2)
YUV	196.2810, 6.7635, -69.5294
Hunter-Lab	82.0248, -38.2115, 5.7960

Details

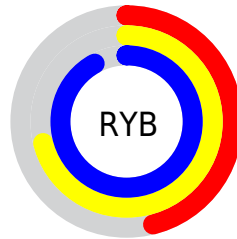
The Yxy color **67.2807, 0.2587, 0.3596** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.1621, 0.4243, 0.3025**, and the grayscale version is **55.3819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **35.0254, 0.2456, 0.3670** is the 20% darker color. If you saturate the color by 10%, you get **65.6227, 0.2519, 0.3669**, and if you desaturate by 10%, it is **69.3563, 0.2672, 0.3526**.

Distribution



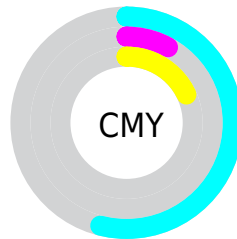
- Red (46%)
- Green (92%)
- Blue (82%)



- Red (46%)
- Yellow (71%)
- Blue (92%)



- Cyan (50%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)




- Cyan (54%)
- Magenta (8%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2807, 0.2587, 0.3596 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 67.2807, 0.2587, 0.3596 by changing the saturation by 10% instead.

 67.2807, 0.2587,
0.3596


 67.2807, 0.2587,
0.3596

450.9433, 0.2840,
0.3452

 49.3128, 0.2529,
0.3629


 115.3225, 0.2675,
0.3546

 34.8677, 0.2457,
0.3671


 146.1652, 0.2709,
0.3526

 23.5609, 0.2365,
0.3724


 182.0683, 0.2739,
0.3509

 15.0083, 0.2245,
0.3794

223.4162, 0.2764,
0.3495

 8.8252, 0.2080,
0.3891

270.5932, 0.2786,
0.3482

 4.6273, 0.1844,
0.4032

323.9838, 0.2806,

 2.0303, 0.1465,

0.3471

0.4262

383.9724, 0.2824,
0.3461

0.6250, 0.0000,
0.5200

0.0000, 0.0000,
0.0000

67.2807, 0.2587,
0.3596

67.2807, 0.2587,
0.3596

65.6227, 0.2519,
0.3669

69.3563, 0.2672,
0.3526

64.3436, 0.2469,
0.3744

71.8692, 0.2772,
0.3460


63.4107, 0.2440,
0.3820


74.8473, 0.2883,
0.3398


62.7823, 0.2430,
0.3895


78.3138, 0.3002,
0.3341


 62.3872, 0.2436,
0.3970


 82.2905, 0.3128,
0.3290

 62.3856, 0.2436,
0.3970

 86.3217, 0.3239,
0.3243

 86.6089, 0.3208,
0.3196

 86.9037, 0.3178,
0.3150

 87.2062, 0.3148,
0.3104

Harmonies

Analogous

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



67.2807, 0.3010, 0.4002



67.2807, 0.2587, 0.3596



67.2807, 0.2319, 0.3118

Triad

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



67.2807, 0.2587, 0.3596



67.2807, 0.2727, 0.2540



67.2807, 0.4081, 0.3738

Complementary

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



67.2807, 0.2587, 0.3596



32.1621, 0.4243, 0.3025

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.



67.2807, 0.4005, 0.3359



67.2807, 0.2587, 0.3596



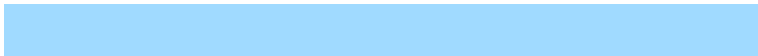
67.2807, 0.3189, 0.2700

Square

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



67.2807, 0.2587, 0.3596



67.2807, 0.2396, 0.2547



67.2807, 0.3668, 0.2991



67.2807, 0.3882, 0.4043

Rectangle

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



67.2807, 0.2587, 0.3596



67.2807, 0.2253, 0.2850



67.2807, 0.3668, 0.2991



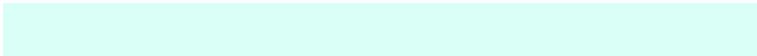
67.2807, 0.4088, 0.3615

Sweetspot

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



67.2834, 0.2587, 0.3596



92.9583, 0.2940, 0.3370



65.9160, 0.3201, 0.4810



19.7092, 0.2915, 0.3382



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.



67.2834, 0.2587, 0.3596



79.7057, 0.2517, 0.3671



51.4425, 0.2392, 0.2858



17.0659, 0.3008, 0.3339



35.0790, 0.2433, 0.3958



2.7679, 0.2404, 0.3854

Inverse Universe

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



32.1621, 0.4243, 0.3025



32.4669, 0.4624, 0.2988



40.6603, 0.4335, 0.3666



15.1046, 0.3261, 0.3242



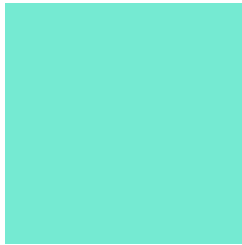
9.9643, 0.6058, 0.3111



0.7960, 0.5682, 0.2904

Previews

White Background



This preview shows how the Yxy color 67.2807, 0.2587, 0.3596 looks on a white background.

Color Contrast Check

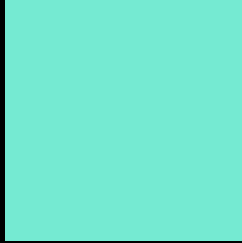
Large Text (above 18pt) WCAG AA × Fail

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 67.2807, 0.2587, 0.3596 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

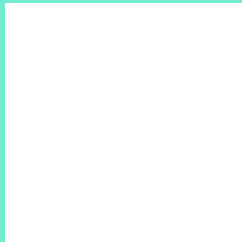
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.2807, 0.2587, 0.3596

Background



This preview shows how black text looks on a background with the Yxy color 67.2807, 0.2587, 0.3596.

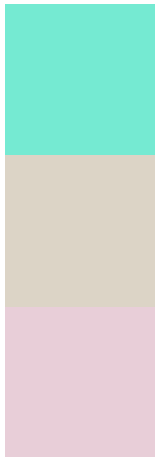


This preview shows how white text looks on a background with the Yxy color 67.2807, 0.2587, 0.3596.

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

67.2807, 0.2587, 0.3596

Protanopia

66.3798, 0.3285, 0.3448

Deuteranopia

66.2563, 0.3254, 0.3183



Tritanopia

67.4212, 0.2454, 0.3072

Trichromacy



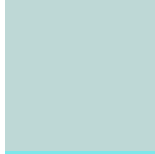
Original Color

67.2807, 0.2587, 0.3596



Protanomaly

65.5179, 0.2985, 0.3506



Deuteranomaly

64.9139, 0.2956, 0.3313



Tritanomaly

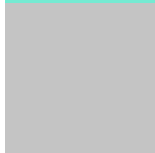
67.4523, 0.2501, 0.3251

Monochromacy



Original Color

67.2807, 0.2587, 0.3596



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.5257, 0.2879, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2807, 0.2587, 0.3596 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(117, 234, 210)` looks like.

```
.text, #text, p{  
    color:rgb(117, 234, 210)  
}
```

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(117, 234, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 234, 210) }
```

Border

The CSS property to change the border of an element to Yxy 67.2807, 0.2587, 0.3596 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(117, 234, 210) }
```

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

```
.border{ border-color:rgb(117, 234, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 234, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 234, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 234, 210);  
box-shadow:4px 4px 4px 4px rgb(117, 234,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2807, 0.2587, 0.3596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 234, 210) }
```

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

```
.background{ background-color: rgb(117,  
234, 210) }
```

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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