

Converting Colors

$Yxy(66.5932, 0.2433, 0.3265)$

Have a look what the booklet for
Yxy(66.5932, 0.2433, 0.3265)
contains.

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Color

Yxy(66.7795, 0.2432, 0.3263)

Conversions

Conversions Part 1

Format	Color
Hex	6BE8EA
RGB	107, 232, 234
RGB Percent	42%, 91%, 92%
CMY	0.5803, 0.0902, 0.0824
CMYK	0.54, 0.01, 0.00, 0.08
HSL	181°, 75%, 67%
HSV	181°, 54%, 92%
XYZ	49.7725, 66.7795, 88.1047
YIQ	194.8530, -75.1420, -25.8780

Conversions

Conversions Part 2

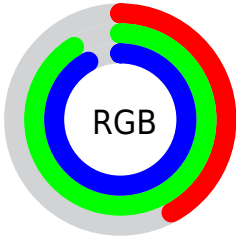
Format	Color
RYB	107, 170, 234
Decimal	7071978
CIELab	85.39, -34.02, -11.56
CIELCh	85, 35.931, 198.760
Yxy	66.7795, 0.2432, 0.3263
Android (android.graphics.Color)	4285262058 (0xFF6BE8EA)
YUV	194.8530, 19.2995, -77.0471
Hunter-Lab	81.7187, -34.2886, -6.7202

Details

The Yxy color **66.7795, 0.2432, 0.3263** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **29.4957, 0.4728, 0.3316**, and the grayscale version is **54.4026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **34.5721, 0.2274, 0.3254** is the 20% darker color. If you saturate the color by 10%, you get **65.3155, 0.2355, 0.3258**, and if you desaturate by 10%, it is **68.6414, 0.2528, 0.3268**.

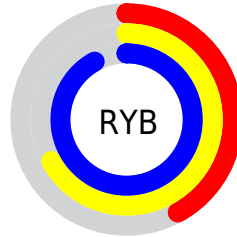
Distribution



Red (42%)

Green (91%)

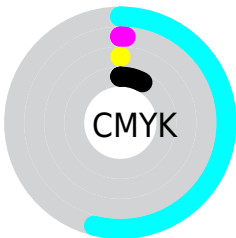
Blue (92%)



Red (42%)

Yellow (67%)

Blue (92%)

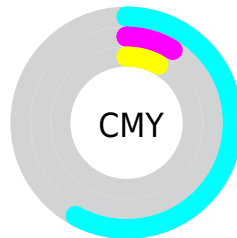


Cyan (54%)

Magenta (1%)

Yellow (0%)

Black (8%)



Cyan (58%)

Magenta (9%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7795, 0.2432, 0.3263 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 66.7795, 0.2432, 0.3263 by changing the saturation by 10% instead.

 66.7795, 0.2432,
0.3263

 66.7795, 0.2432,
0.3263


449.1595, 0.2751,
0.3284


 48.9055, 0.2360,
0.3256

 114.6044, 0.2542,
0.3272

 34.5445, 0.2272,
0.3246


 145.3240, 0.2585,
0.3275

 23.3122, 0.2162,
0.3232

 181.0943, 0.2622,
0.3277

 14.8242, 0.2019,
0.3211

222.2997, 0.2654,
0.3279

 8.6961, 0.1830,
0.3175

269.3245, 0.2683,
0.3281

 4.5435, 0.1569,
0.3113

322.5531, 0.2708,

 1.9820, 0.1191,

0.3282

0.2991

382.3700, 0.2731,
0.3283

0.5970, 0.0000,
0.2785

0.0000, 0.0000,
0.0000

66.7795, 0.2432,
0.3263

66.7795, 0.2432,
0.3263

65.3155, 0.2355,
0.3258

68.6414, 0.2528,
0.3268

64.2093, 0.2298,
0.3252


70.9224, 0.2641,
0.3274

63.4258, 0.2260,
0.3247

73.6511, 0.2769,
0.3279

62.9190, 0.2240,
0.3242

76.8516, 0.2910,
0.3284


 62.7125, 0.2233,
0.3239

 80.5462, 0.3061,
0.3288

 84.7557, 0.3218,
0.3292

 86.3741, 0.3270,
0.3296

 86.5844, 0.3269,
0.3300

 86.7950, 0.3269,
0.3303

Harmonies

Analogous

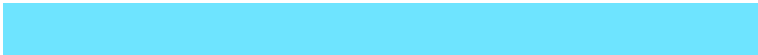
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.7795, 0.2734, 0.3701



66.7795, 0.2432, 0.3263



66.7795, 0.2311, 0.2874

Triad

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



66.7795, 0.2432, 0.3263



66.7795, 0.3049, 0.2680



66.7795, 0.3908, 0.3920

Complementary

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



66.7795, 0.2432, 0.3263



29.4957, 0.4728, 0.3316

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.



66.7795, 0.4018, 0.3608



66.7795, 0.2432, 0.3263



66.7795, 0.3503, 0.2920

Square

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



66.7795, 0.2432, 0.3263



66.7795, 0.2646, 0.2575



66.7795, 0.3868, 0.3250



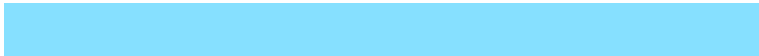
66.7795, 0.3586, 0.4089

Rectangle

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



66.7795, 0.2432, 0.3263



66.7795, 0.2340, 0.2695



66.7795, 0.3868, 0.3250



66.7795, 0.3972, 0.3827

Sweetspot

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



66.7821, 0.2432, 0.3263



92.6579, 0.2884, 0.3283



63.0333, 0.3045, 0.5033



19.6548, 0.2854, 0.3282



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.



66.7821, 0.2432, 0.3263



79.2259, 0.2349, 0.3257



38.0094, 0.2258, 0.2425



17.0789, 0.2981, 0.3286



35.2609, 0.2233, 0.3240



2.7819, 0.2235, 0.3247

Inverse Universe

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



33.8390, 0.3207, 0.2019



35.4998, 0.3221, 0.1830



47.4956, 0.4292, 0.3993



15.3095, 0.3140, 0.3062



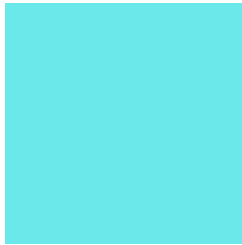
13.0524, 0.3249, 0.1563



1.0262, 0.3243, 0.1560

Previews

White Background



This preview shows how the Yxy color 66.7795, 0.2432, 0.3263 looks on a white background.

Color Contrast Check

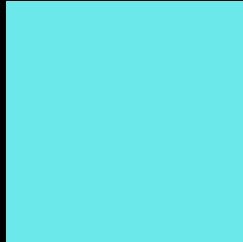
Large Text (above 18pt) WCAG AA × Fail

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 66.7795, 0.2432, 0.3263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

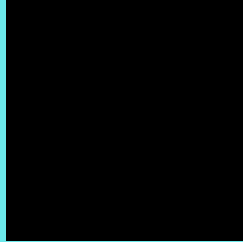
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7795, 0.2432, 0.3263

Background



This preview shows how black text looks on a background with the Yxy color 66.7795, 0.2432, 0.3263.

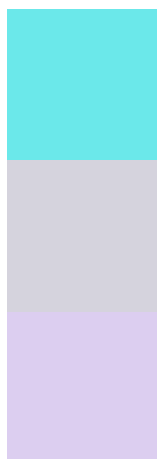


This preview shows how white text looks on a background with the Yxy color 66.7795, 0.2432, 0.3263.

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

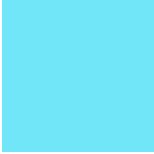
66.7795, 0.2432, 0.3263

Protanopia

65.9551, 0.3074, 0.3178

Deuteranopia

65.6495, 0.2998, 0.2924



Tritanopia

66.8157, 0.2385, 0.3069

Trichromacy



Original Color

66.7795, 0.2432, 0.3263



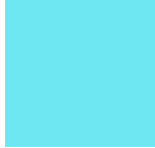
Protanomaly

65.1527, 0.2781, 0.3206



Deuteranomaly

64.3576, 0.2739, 0.3023



Tritanomaly

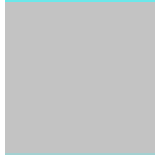
66.9379, 0.2401, 0.3141

Monochromacy



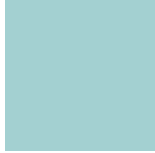
Original Color

66.7795, 0.2432, 0.3263



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.5017, 0.2802, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7795, 0.2432, 0.3263 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(107, 232, 234)` looks like.

```
.text, #text, p{  
    color:rgb(107, 232, 234)  
}
```

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(107, 232, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 232, 234) }
```

Border

The CSS property to change the border of an element to Yxy 66.7795, 0.2432, 0.3263 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(107, 232, 234) }
```

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

```
.border{ border-color:rgb(107, 232, 234) }
```

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

Here you see how a box with a 4 pixel rgb(107, 232, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 232, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 232, 234);  
box-shadow:4px 4px 4px 4px rgb(107, 232,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7795, 0.2432, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 232, 234) }
```

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

```
.background{ background-color: rgb(107,  
232, 234) }
```

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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