

Converting Colors

$Yxy(66.0595, 0.2438, 0.3184)$

Have a look what the booklet for
Yxy(66.0595, 0.2438, 0.3184)
contains.

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Color

Yxy(65.8565, 0.2437, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	73E5EE
RGB	115, 229, 238
RGB Percent	45%, 90%, 93%
CMY	0.5491, 0.1019, 0.0668
CMYK	0.52, 0.04, 0.00, 0.07
HSL	184°, 78%, 69%
HSV	184°, 52%, 93%
XYZ	50.5169, 65.8565, 90.9180
YIQ	195.9400, -70.8330, -21.3690

Conversions

Conversions Part 2

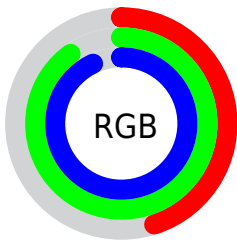
Format	Color
RYB	115, 174, 238
Decimal	7595502
CIELab	84.92, -30.00, -14.33
CIELCh	85, 33.246, 205.528
Yxy	65.8565, 0.2437, 0.3177
Android (android.graphics.Color)	4285785582 (0xFF73E5EE)
YUV	195.9400, 20.7356, -70.9844
Hunter-Lab	81.1520, -30.9002, -9.6187

Details

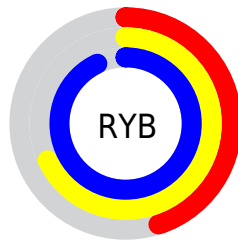
The Yxy color **65.8565, 0.2437, 0.3177** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.8131, 0.4568, 0.3391**, and the grayscale version is **55.0673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **33.8929, 0.2278, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **63.4935, 0.2348, 0.3152**, and if you desaturate by 10%, it is **68.6504, 0.2544, 0.3201**.

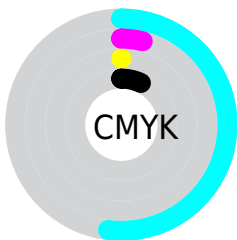
Distribution



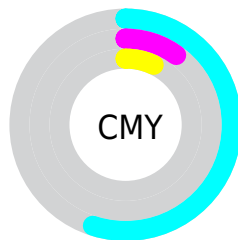
- Red (45%)
- Green (90%)
- Blue (93%)



- Red (45%)
- Yellow (68%)
- Blue (93%)



- Cyan (52%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)




- Cyan (55%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8565, 0.2437, 0.3177 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 65.8565, 0.2437, 0.3177 by changing the saturation by 10% instead.


 65.8565, 0.2437,
0.3177

 65.8565, 0.2437,
0.3177


445.8635, 0.2754,
0.3239


 48.1559, 0.2366,
0.3161


 113.2803, 0.2546,
0.3200

 33.9504, 0.2278,
0.3139


 143.7724, 0.2589,
0.3209

 22.8555, 0.2168,
0.3110


 179.2971, 0.2626,
0.3216

 14.4868, 0.2027,
0.3069

220.2388, 0.2658,
0.3222

 8.4600, 0.1839,
0.3007

266.9819, 0.2686,
0.3227

 4.3907, 0.1580,
0.2908

319.9107, 0.2711,

 1.8944, 0.1207,

0.3232

0.2728

379.4098, 0.2734,
0.3235

■ 0.5450, 0.0000,
0.2382

■ 0.0000, 0.0000,
0.0000

■ 65.8565, 0.2437,
0.3177

■ 65.8565, 0.2437,
0.3177

■ 63.4935, 0.2348,
0.3152

■ 68.6504, 0.2544,
0.3201

■ 61.5212, 0.2279,
0.3127

■ 71.8970, 0.2666,
0.3225

■ 59.9043, 0.2229,
0.3102


■ 75.6254, 0.2802,
0.3247


■ 58.5977, 0.2198,
0.3077

■ 79.8602, 0.2948,
0.3268

 57.6875, 0.2183,
0.3057

 84.6242, 0.3101,
0.3287

 89.4100, 0.3240,
0.3304

 90.4331, 0.3238,
0.3321

 91.4660, 0.3237,
0.3338

 92.5088, 0.3235,
0.3355

Harmonies

Analogous

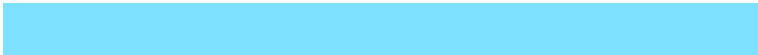
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.8565, 0.2686, 0.3584



65.8565, 0.2437, 0.3177



65.8565, 0.2364, 0.2840

Triad

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



65.8565, 0.2437, 0.3177



65.8565, 0.3151, 0.2760



65.8565, 0.3802, 0.3929

Complementary

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



65.8565, 0.2437, 0.3177



33.8131, 0.4568, 0.3391

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.



65.8565, 0.3953, 0.3663



65.8565, 0.2437, 0.3177



65.8565, 0.3565, 0.3009

Square

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



65.8565, 0.2437, 0.3177



65.8565, 0.2755, 0.2630



65.8565, 0.3867, 0.3331



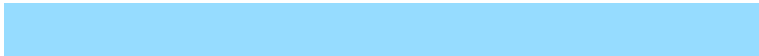
65.8565, 0.3471, 0.4037

Rectangle

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



65.8565, 0.2437, 0.3177



65.8565, 0.2419, 0.2696



65.8565, 0.3867, 0.3331



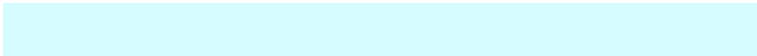
65.8565, 0.3876, 0.3853

Sweetspot

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



65.8590, 0.2437, 0.3177



91.1831, 0.2883, 0.3259



66.2133, 0.3012, 0.4839



19.2990, 0.2853, 0.3255



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.



65.8590, 0.2437, 0.3177



74.1412, 0.2344, 0.3151



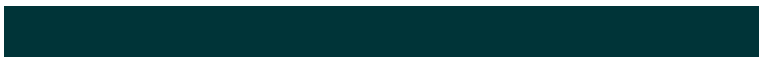
37.9241, 0.2274, 0.2359



17.7201, 0.2981, 0.3272



32.2741, 0.2184, 0.3061



2.7434, 0.2193, 0.3093

Inverse Universe

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



36.0883, 0.3270, 0.2125



36.2907, 0.3303, 0.1941



53.9741, 0.4173, 0.4049



16.0104, 0.3149, 0.3074



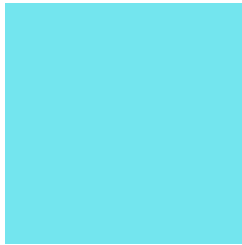
13.0514, 0.3401, 0.1647



1.0917, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 65.8565, 0.2437, 0.3177 looks on a white background.

Color Contrast Check

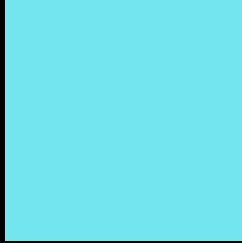
Large Text (above 18pt) WCAG AA × Fail

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 65.8565, 0.2437, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

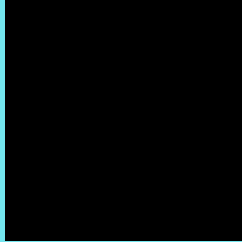
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.8565, 0.2437, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 65.8565, 0.2437, 0.3177.

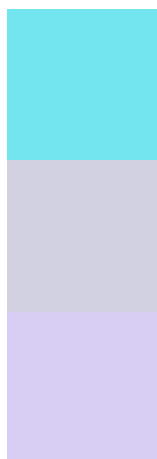


This preview shows how white text looks on a background with the Yxy color 65.8565, 0.2437, 0.3177.

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

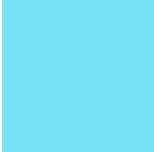
65.8565, 0.2437, 0.3177

Protanopia

64.7936, 0.3019, 0.3100

Deuteranopia

65.2126, 0.2950, 0.2890



Tritanopia

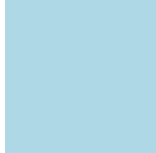
65.9922, 0.2411, 0.3069

Trichromacy



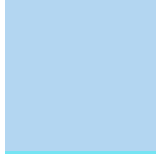
Original Color

65.8565, 0.2437, 0.3177



Protanomaly

63.9389, 0.2761, 0.3124



Deuteranomaly

64.0277, 0.2721, 0.2978



Tritanomaly

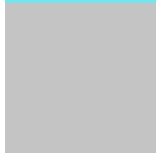
65.7398, 0.2420, 0.3104

Monochromacy



Original Color

65.8565, 0.2437, 0.3177



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.0304, 0.2816, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8565, 0.2437, 0.3177 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(115, 229, 238)` looks like.

```
.text, #text, p{  
    color:rgb(115, 229, 238)  
}
```

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(115, 229, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 229, 238) }
```

Border

The CSS property to change the border of an element to Yxy 65.8565, 0.2437, 0.3177 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(115, 229, 238) }
```

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

```
.border{ border-color:rgb(115, 229, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 229, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 229, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 229, 238);  
box-shadow:4px 4px 4px 4px rgb(115, 229,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8565, 0.2437, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 229, 238) }
```

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

```
.background{ background-color: rgb(115,  
229, 238) }
```

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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