

Converting Colors

$Y_{xy}(65.6734, 0.2264, 0.3213)$

Have a look what the booklet for
Yxy(65.6734, 0.2264, 0.3213)
contains.

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Color

Yxy(65.7653, 0.2264, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	30EAF0
RGB	48, 234, 240
RGB Percent	19%, 92%, 94%
CMY	0.8116, 0.0823, 0.0589
CMYK	0.80, 0.02, 0.00, 0.06
HSL	182°, 86%, 56%
HSV	182°, 80%, 94%
XYZ	46.3696, 65.7653, 92.6777
YIQ	179.0700, -112.7820, -37.5660

Conversions

Conversions Part 2

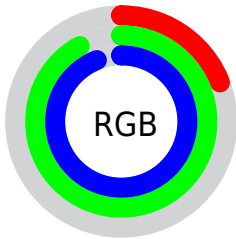
Format	Color
R _{YB}	48, 142, 240
Decimal	3205872
CIE _{Lab}	84.88, -41.20, -15.62
CIE _{LCh}	85, 44.061, 200.757
Yxy	65.7653, 0.2264, 0.3211
Android (android.graphics.Color)	4281395952 (0xFF30EAF0)
YUV	179.0700, 30.0385, -114.9484
Hunter-Lab	81.0958, -39.8536, -10.9906

Details

The Yxy color **65.7653, 0.2264, 0.3211** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.3788, 0.5895, 0.3335**, and the grayscale version is **45.0093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **35.3015, 0.2219, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **64.9077, 0.2235, 0.3201**, and if you desaturate by 10%, it is **66.9448, 0.2312, 0.3222**.

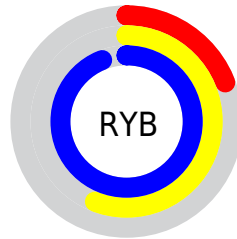
Distribution



Red (19%)

Green (92%)

Blue (94%)



Red (19%)

Yellow (56%)

Blue (94%)

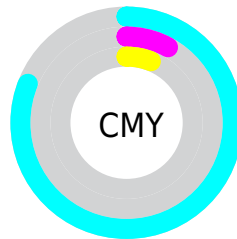


Cyan (80%)

Magenta (2%)

Yellow (0%)

Black (6%)



Cyan (81%)


Magenta (8%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7653, 0.2264, 0.3211 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 65.7653, 0.2264, 0.3211 by changing the saturation by 10% instead.

 65.7653, 0.2264,
0.3211


 65.7653, 0.2264,
0.3211


445.5370, 0.2657,
0.3262


 48.0819, 0.2176,
0.3196


 113.1494, 0.2399,
0.3231

 33.8918, 0.2070,
0.3176


 143.6189, 0.2452,
0.3238

 22.8105, 0.1937,
0.3147


 179.1192, 0.2497,
0.3244

 14.4536, 0.1768,
0.3106

 220.0348, 0.2537,
0.3249

 8.4368, 0.1548,
0.3040

266.7499, 0.2573,
0.3253

 4.3757, 0.1253,
0.2931

319.6491, 0.2604,

 1.8859, 0.0812,

0.3256

0.2738

379.1167, 0.2632,
0.3259

0.5399, 0.0000,
0.2239

0.0000, 0.0000,
0.0000

65.7653, 0.2264,
0.3211

65.7653, 0.2264,
0.3211

64.9077, 0.2235,
0.3201

66.9448, 0.2312,
0.3222


64.2898, 0.2220,
0.3191

68.4834, 0.2379,
0.3232

64.2885, 0.2220,
0.3191


70.4211, 0.2466,
0.3243


72.7905, 0.2571,
0.3253

 75.6211, 0.2692,
0.3263

 78.9396, 0.2827,
0.3273

 82.7707, 0.2973,
0.3282

 87.1375, 0.3128,
0.3290

 90.3063, 0.3226,
0.3298

Harmonies

Analogous

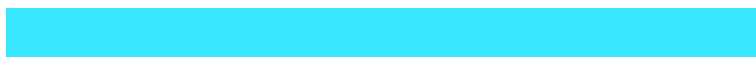
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.7653, 0.2611, 0.3768



65.7653, 0.2264, 0.3211



65.7653, 0.2139, 0.2745

Triad

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



65.7653, 0.2264, 0.3211



65.7653, 0.3063, 0.2569



65.7653, 0.4061, 0.4070

Complementary

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



65.7653, 0.2264, 0.3211



21.3788, 0.5895, 0.3335

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.



65.7653, 0.4225, 0.3689



65.7653, 0.2264, 0.3211



65.7653, 0.3623, 0.2863

Square

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



65.7653, 0.2264, 0.3211



65.7653, 0.2566, 0.2429



65.7653, 0.4065, 0.3259



65.7653, 0.3647, 0.4282

Rectangle

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



65.7653, 0.2264, 0.3211



65.7653, 0.2184, 0.2544



65.7653, 0.4065, 0.3259



65.7653, 0.4148, 0.3955

Sweetspot

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



65.7677, 0.2264, 0.3211



88.9714, 0.2770, 0.3269



63.1841, 0.3004, 0.5755



18.7561, 0.2722, 0.3265



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.



65.7677, 0.2264, 0.3211



74.0319, 0.2224, 0.3194



25.9173, 0.1911, 0.1873



17.8394, 0.2981, 0.3282



35.2350, 0.2220, 0.3192



2.9576, 0.2224, 0.3206

Inverse Universe

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



26.5821, 0.3267, 0.1675



28.2195, 0.3286, 0.1594



39.6727, 0.4962, 0.4194



16.0224, 0.3143, 0.3065



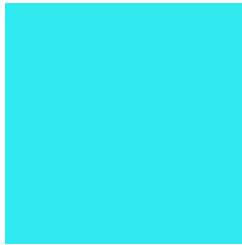
13.3504, 0.3289, 0.1585



1.1133, 0.3277, 0.1579

Previews

White Background



This preview shows how the Yxy color 65.7653, 0.2264, 0.3211 looks on a white background.

Color Contrast Check

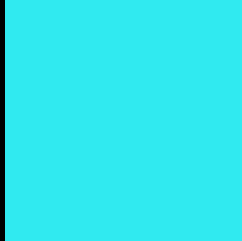
Large Text (above 18pt) WCAG AA × Fail

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 65.7653, 0.2264, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

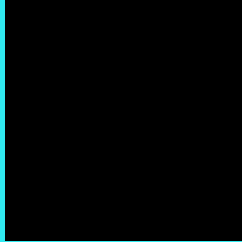
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.7653, 0.2264, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 65.7653, 0.2264, 0.3211.

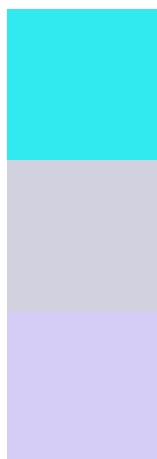


This preview shows how white text looks on a background with the Yxy color 65.7653, 0.2264, 0.3211.

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

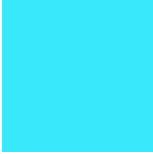
65.7653, 0.2264, 0.3211

Protanopia

64.6844, 0.3032, 0.3122

Deuteranopia

64.4626, 0.2909, 0.2846



Tritanopia

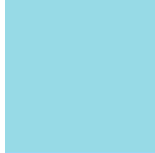
65.5778, 0.2233, 0.3050

Trichromacy



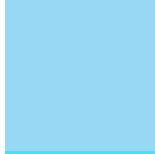
Original Color

65.7653, 0.2264, 0.3211



Protanomaly

62.4353, 0.2623, 0.3142



Deuteranomaly

62.4157, 0.2558, 0.2955



Tritanomaly

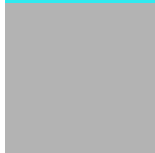
65.7775, 0.2244, 0.3111

Monochromacy



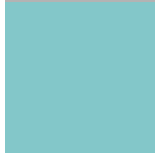
Original Color

65.7653, 0.2264, 0.3211



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

49.8892, 0.2636, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7653, 0.2264, 0.3211 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(48, 234, 240)` looks like.

```
.text, #text, p{  
    color:rgb(48, 234, 240)  
}
```

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(48, 234, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 234, 240) }
```

Border

The CSS property to change the border of an element to Yxy 65.7653, 0.2264, 0.3211 is called "border". The border property can be set on classes, ids or directly on the HTML element.

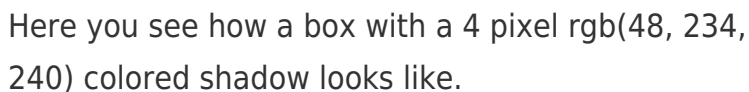
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 234, 240) }
```

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

```
.border{ border-color:rgb(48, 234, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(48, 234, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 234, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 234, 240);  
box-shadow:4px 4px 4px 4px rgb(48, 234,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7653, 0.2264, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 234, 240) }
```

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

```
.background{ background-color: rgb(48, 234,  
240) }
```

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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