

Converting Colors

$Yxy(66.9433, 0.2328, 0.3385)$

Have a look what the booklet for
Yxy(66.9433, 0.2328, 0.3385)
contains.

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Color

Yxy(67.0663, 0.2329, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	38EDE5
RGB	56, 237, 229
RGB Percent	22%, 93%, 90%
CMY	0.7800, 0.0706, 0.1019
CMYK	0.76, 0.00, 0.03, 0.07
HSL	177°, 83%, 57%
HSV	177°, 76%, 93%
XYZ	46.0623, 67.0663, 84.6487
YIQ	181.9690, -105.3080, -40.8600

Conversions

Conversions Part 2

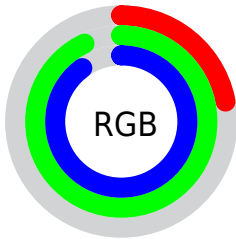
Format	Color
R _{YB}	56, 149, 237
Decimal	3730917
CIE Lab	85.54, -44.92, -8.84
CIE LCh	86, 45.781, 191.128
Yxy	67.0663, 0.2329, 0.3391
Android (android.graphics.Color)	4281920997 (0xFF38EDE5)
YUV	181.9690, 23.1863, -110.4748
Hunter-Lab	81.8940, -42.9149, -3.9585

Details

The Yxy color **67.0663, 0.2329, 0.3391** 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 **21.2146, 0.5692, 0.3240**, and the grayscale version is **46.6940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **35.6985, 0.2275, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **66.4803, 0.2300, 0.3406**, and if you desaturate by 10%, it is **67.9808, 0.2377, 0.3376**.

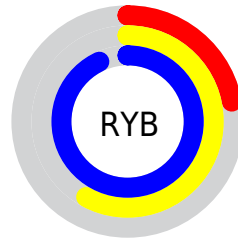
Distribution



Red (22%)

Green (93%)

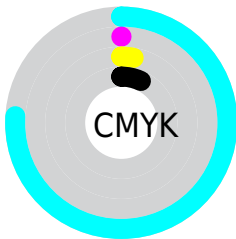
Blue (90%)



Red (22%)

Yellow (58%)

Blue (93%)

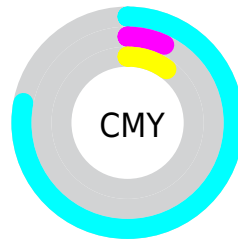


Cyan (76%)

Magenta (0%)

Yellow (3%)

Black (7%)



Cyan (78%)


Magenta (7%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0663, 0.2329, 0.3391 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 67.0663, 0.2329, 0.3391 by changing the saturation by 10% instead.

 67.0663, 0.2329,
0.3391


 67.0663, 0.2329,
0.3391


450.1807, 0.2695,
0.3353


 49.1385, 0.2247,
0.3397


 115.0154, 0.2455,
0.3380


 34.7294, 0.2146,
0.3404


 145.8055, 0.2504,
0.3375

 23.4545, 0.2021,
0.3410


 181.6518, 0.2547,
0.3370

 14.9294, 0.1860,
0.3414

 222.9388, 0.2584,
0.3366

 8.7699, 0.1647,
0.3413

270.0508, 0.2617,
0.3363

 4.5914, 0.1358,
0.3398

323.3722, 0.2646,

 2.0096, 0.0899,

0.3359

383.2873, 0.2671,
0.3356

0.3357

0.6130, 0.0000,
0.3168

0.0000, 0.0000,
0.0000

67.0663, 0.2329,
0.3391

67.0663, 0.2329,
0.3391

66.4803, 0.2300,
0.3406

67.9808, 0.2377,
0.3376


66.1648, 0.2287,
0.3420


69.2564, 0.2445,
0.3362


66.0874, 0.2285,
0.3425


70.9301, 0.2532,
0.3347


73.0324, 0.2637,
0.3334

 75.5906, 0.2757,
0.3320

 78.6301, 0.2890,
0.3308

 82.1741, 0.3033,
0.3297

 86.2444, 0.3183,
0.3286

 88.0259, 0.3239,
0.3276

Harmonies

Analogous

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



67.0663, 0.2747, 0.3952



67.0663, 0.2329, 0.3391



67.0663, 0.2125, 0.2860

Triad

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



67.0663, 0.2329, 0.3391



67.0663, 0.2881, 0.2483



67.0663, 0.4177, 0.3977

Complementary

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



67.0663, 0.2329, 0.3391



21.2146, 0.5692, 0.3240

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.



67.0663, 0.4245, 0.3557



67.0663, 0.2329, 0.3391



67.0663, 0.3456, 0.2739

Square

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



67.0663, 0.2329, 0.3391



67.0663, 0.2420, 0.2398



67.0663, 0.3974, 0.3119



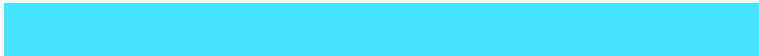
67.0663, 0.3818, 0.4271

Rectangle

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



67.0663, 0.2329, 0.3391



67.0663, 0.2122, 0.2608



67.0663, 0.3974, 0.3119



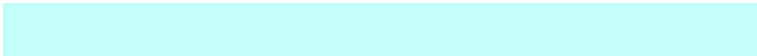
67.0663, 0.4237, 0.3845

Sweetspot

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



67.0688, 0.2329, 0.3391



90.3569, 0.2799, 0.3316



61.9832, 0.3041, 0.5679



19.0776, 0.2752, 0.3321



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.



67.0688, 0.2329, 0.3391



78.2432, 0.2290, 0.3414



30.6006, 0.1998, 0.2127



17.1097, 0.2987, 0.3300



36.0871, 0.2284, 0.3423



2.8373, 0.2279, 0.3403

Inverse Universe

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



21.2146, 0.5692, 0.3240



21.8722, 0.6238, 0.3269



36.3274, 0.4995, 0.4063



15.0648, 0.3286, 0.3280



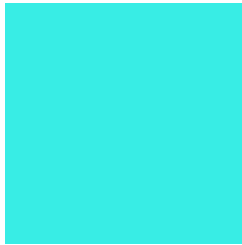
9.8473, 0.6353, 0.3273



0.7771, 0.6226, 0.3204

Previews

White Background



This preview shows how the Yxy color 67.0663, 0.2329, 0.3391 looks on a white background.

Color Contrast Check

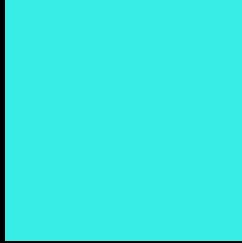
Large Text (above 18pt) WCAG AA × Fail

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 67.0663, 0.2329, 0.3391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

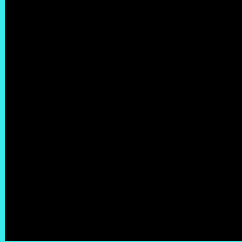
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.0663, 0.2329, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 67.0663, 0.2329, 0.3391.

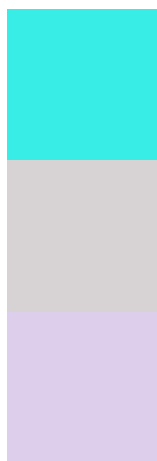


This preview shows how white text looks on a background with the Yxy color 67.0663, 0.2329, 0.3391.

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

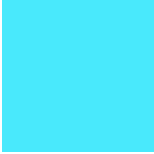
67.0663, 0.2329, 0.3391

Protanopia

65.8397, 0.3143, 0.3268

Deuteranopia

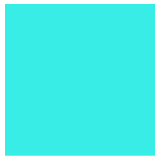
65.5709, 0.3032, 0.2966



Tritanopia

66.7226, 0.2263, 0.3053

Trichromacy



Original Color

67.0663, 0.2329, 0.3391



Protanomaly

63.4690, 0.2719, 0.3301



Deuteranomaly

63.0860, 0.2662, 0.3097



Tritanomaly

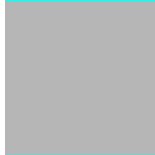
66.5706, 0.2283, 0.3162

Monochromacy



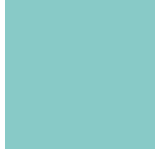
Original Color

67.0663, 0.2329, 0.3391



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.5988, 0.2683, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0663, 0.2329, 0.3391 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(56, 237, 229)` looks like.

```
.text, #text, p{  
    color:rgb(56, 237, 229)  
}
```

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(56, 237, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 237, 229) }
```

Border

The CSS property to change the border of an element to Yxy 67.0663, 0.2329, 0.3391 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(56, 237, 229) }
```

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

```
.border{ border-color:rgb(56, 237, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 237, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 237, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 237, 229);  
box-shadow:4px 4px 4px 4px rgb(56, 237,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0663, 0.2329, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 237, 229) }
```

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

```
.background{ background-color: rgb(56, 237,  
229) }
```

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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