

Converting Colors

$Yxy(66.0365, 0.2353, 0.3454)$

Have a look what the booklet for
Yxy(66.0365, 0.2353, 0.3454)
contains.

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Color

Yxy(66.2484, 0.2355, 0.3458)

Conversions

Conversions Part 1

Format	Color
Hex	3BECDF
RGB	59, 236, 223
RGB Percent	23%, 93%, 87%
CMY	0.7686, 0.0745, 0.1255
CMYK	0.75, 0.00, 0.06, 0.07
HSL	176°, 82%, 58%
HSV	176°, 75%, 93%
XYZ	45.1171, 66.2484, 80.2146
YIQ	181.5950, -101.3190, -41.5670

Conversions

Conversions Part 2

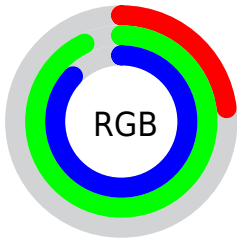
Format	Color
R _{YB}	59, 151, 236
Decimal	3927263
CIE Lab	85.12, -45.84, -6.28
CIE LCh	85, 46.268, 187.803
Yxy	66.2484, 0.2355, 0.3458
Android (android.graphics.Color)	4282117343 (0xFF3BECDF)
YUV	181.5950, 20.4127, -107.5158
Hunter-Lab	81.3931, -43.4934, -1.4563

Details

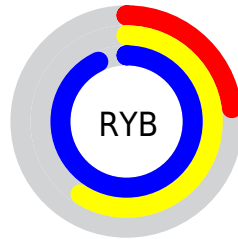
The Yxy color **66.2484, 0.2355, 0.3458** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.4304, 0.5566, 0.3196**, and the grayscale version is **46.4777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **35.0674, 0.2299, 0.3477** is the 20% darker color. If you saturate the color by 10%, you get **65.5923, 0.2325, 0.3483**, and if you desaturate by 10%, it is **67.2362, 0.2404, 0.3433**.

Distribution



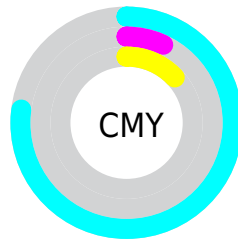
- Red (23%)
- Green (93%)
- Blue (87%)



- Red (23%)
- Yellow (59%)
- Blue (93%)



- Cyan (75%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)





- Cyan (77%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2484, 0.2355, 0.3458 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 66.2484, 0.2355, 0.3458 by changing the saturation by 10% instead.


 66.2484, 0.2355,
0.3458


 66.2484, 0.2355,
0.3458


447.2647, 0.2711,
0.3387


 48.4741, 0.2275,
0.3473


 113.8428, 0.2478,
0.3435


 34.2025, 0.2176,
0.3489


 144.4316, 0.2526,
0.3425

 23.0492, 0.2052,
0.3509


 180.0608, 0.2567,
0.3417

 14.6298, 0.1892,
0.3532

 221.1146, 0.2603,
0.3409

 8.5600, 0.1680,
0.3558

267.9775, 0.2635,
0.3403

 4.4553, 0.1387,
0.3582

321.0339, 0.2663,

 1.9314, 0.0885,

0.3397

0.3620

380.6682, 0.2688,
0.3391

■ 0.5671, 0.0000,
0.3486

■ 0.0000, 0.0000,
0.0000

■ 66.2484, 0.2355,
0.3458

■ 66.2484, 0.2355,
0.3458

■ 65.5923, 0.2325,
0.3483

■ 67.2362, 0.2404,
0.3433

■ 65.2124, 0.2313,
0.3508


■ 68.5869, 0.2472,
0.3408


■ 65.0899, 0.2311,
0.3520


■ 70.3367, 0.2560,
0.3384


■ 72.5151, 0.2664,
0.3361

 75.1491, 0.2783,
0.3339

 78.2633, 0.2914,
0.3318

 81.8806, 0.3055,
0.3299

 86.0224, 0.3201,
0.3282

 87.4624, 0.3239,
0.3265

Harmonies

Analogous

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



66.2484, 0.2799, 0.4016



66.2484, 0.2355, 0.3458



66.2484, 0.2123, 0.2905

Triad

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



66.2484, 0.2355, 0.3458



66.2484, 0.2817, 0.2454



66.2484, 0.4216, 0.3942

Complementary

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



66.2484, 0.2355, 0.3458



21.4304, 0.5566, 0.3196

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.



66.2484, 0.4247, 0.3509



66.2484, 0.2355, 0.3458



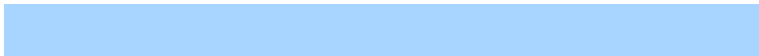
66.2484, 0.3395, 0.2696

Square

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



66.2484, 0.2355, 0.3458



66.2484, 0.2371, 0.2389



66.2484, 0.3938, 0.3069



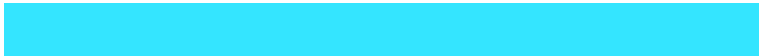
66.2484, 0.3879, 0.4263

Rectangle

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



66.2484, 0.2355, 0.3458



66.2484, 0.2102, 0.2633



66.2484, 0.3938, 0.3069



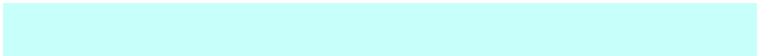
66.2484, 0.4265, 0.3804

Sweetspot

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



66.2509, 0.2355, 0.3458



90.6056, 0.2820, 0.3332



61.7557, 0.3064, 0.5633



19.1887, 0.2785, 0.3338



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.



66.2509, 0.2355, 0.3458



77.9136, 0.2317, 0.3496



32.9172, 0.2035, 0.2240



17.1017, 0.2991, 0.3307



35.8855, 0.2310, 0.3516



2.8236, 0.2301, 0.3482

Inverse Universe

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



21.4304, 0.5566, 0.3196



22.1467, 0.6139, 0.3235



34.8578, 0.5018, 0.3999



15.0720, 0.3281, 0.3273



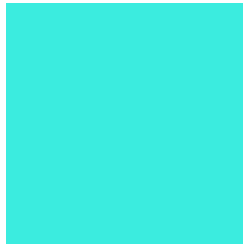
9.8597, 0.6320, 0.3255



0.7805, 0.6117, 0.3143

Previews

White Background



This preview shows how the Yxy color 66.2484, 0.2355, 0.3458 looks on a white background.

Color Contrast Check

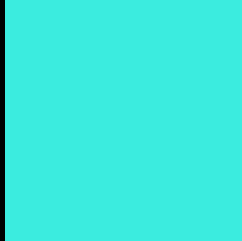
Large Text (above 18pt) WCAG AA × Fail

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 66.2484, 0.2355, 0.3458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

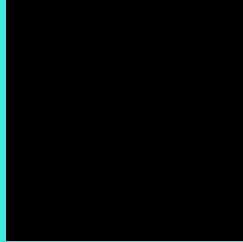
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2484, 0.2355, 0.3458

Background



This preview shows how black text looks on a background with the Yxy color 66.2484, 0.2355, 0.3458.

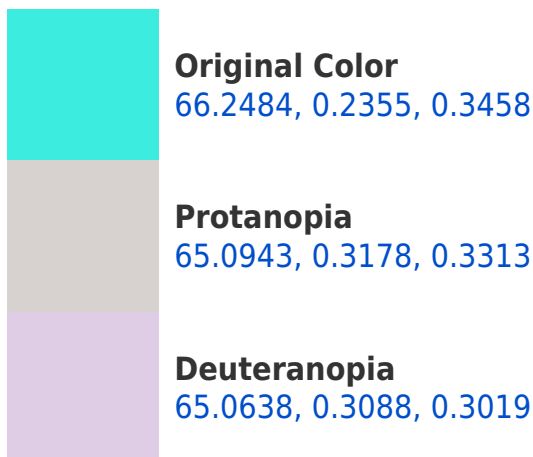


This preview shows how white text looks on a background with the Yxy color 66.2484, 0.2355, 0.3458.

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





Tritanopia

66.2560, 0.2273, 0.3053

Trichromacy



Original Color

66.2484, 0.2355, 0.3458



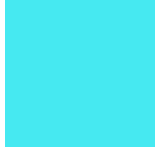
Protanomaly

62.7362, 0.2758, 0.3363



Deuteranomaly

62.4443, 0.2705, 0.3156



Tritanomaly

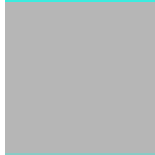
65.9308, 0.2298, 0.3186

Monochromacy



Original Color

66.2484, 0.2355, 0.3458



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.5906, 0.2701, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2484, 0.2355, 0.3458 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(59, 236, 223)` looks like.

```
.text, #text, p{  
    color:rgb(59, 236, 223)  
}
```

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(59, 236, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 236, 223) }
```

Border

The CSS property to change the border of an element to Yxy 66.2484, 0.2355, 0.3458 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(59, 236, 223) }
```

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

```
.border{ border-color:rgb(59, 236, 223) }
```

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

Here you see how a box with a 4 pixel rgb(59, 236, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 236, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 236, 223);  
box-shadow:4px 4px 4px 4px rgb(59, 236,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2484, 0.2355, 0.3458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 236, 223) }
```

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

```
.background{ background-color: rgb(59, 236,  
223) }
```

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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