

Converting Colors

$Yxy(60.4111, 0.2175, 0.2878)$

Have a look what the booklet for
Yxy(60.4111, 0.2175, 0.2878)
contains.

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Color

Yxy(60.1664, 0.2173, 0.2872)

Conversions

Conversions Part 1

Format	Color
Hex	33DEFF
RGB	51, 222, 255
RGB Percent	20%, 87%, 100%
CMY	0.8011, 0.1293, 0.0001
CMYK	0.80, 0.13, 0.00, 0.00
HSL	190°, 100%, 60%
HSV	190°, 80%, 100%
XYZ	45.5228, 60.1664, 103.8038
YIQ	174.6330, -112.5090, -25.9890

Conversions

Conversions Part 2

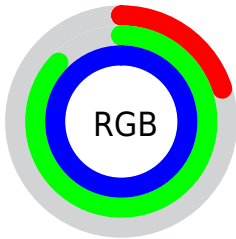
Format	Color
R _Y B	51, 144, 255
Decimal	3399423
CIE Lab	81.93, -30.90, -28.00
CIE LCh	82, 41.701, 222.175
Yxy	60.1664, 0.2173, 0.2872
Android (android.graphics.Color)	4281589503 (0xFF33DEFF)
YUV	174.6330, 39.6209, -108.4261
Hunter-Lab	77.5670, -30.9835, -25.0478

Details

The Yxy color **60.1664, 0.2173, 0.2872** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.7847, 0.5703, 0.3524**, and the grayscale version is **42.4658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **31.3497, 0.2101, 0.2765** is the 20% darker color. If you saturate the color by 10%, you get **57.5221, 0.2128, 0.2814**, and if you desaturate by 10%, it is **63.2303, 0.2238, 0.2931**.

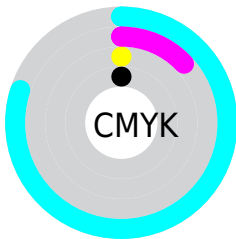
Distribution



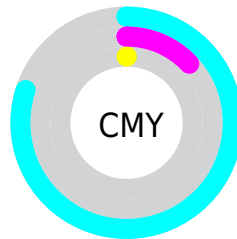
- Red (20%)
- Green (87%)
- Blue (100%)



- Red (20%)
- Yellow (56%)
- Blue (100%)



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.1664, 0.2173, 0.2872 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 60.1664, 0.2173, 0.2872 by changing the saturation by 10% instead.


 60.1664, 0.2173,
0.2872


 60.1664, 0.2173,
0.2872


425.2108, 0.2609,
0.3085


 43.5528, 0.2076,
0.2819


 105.0710, 0.2322,
0.2949

 30.3191, 0.1959,
0.2753


 134.1308, 0.2381,
0.2978

 20.0809, 0.1813,
0.2666


 168.1081, 0.2432,
0.3003

 12.4539, 0.1629,
0.2548

 207.3872, 0.2476,
0.3024

 7.0536, 0.1393,
0.2382

252.3527, 0.2515,
0.3042

 3.4956, 0.1084,
0.2137

303.3889, 0.2550,

 1.3956, 0.0633,

0.3058

0.1765

360.8801, 0.2581,
0.3072

■ 0.2135, 0.0000,
0.0713

■ 0.0000, 0.0000,
0.0000

■ 60.1664, 0.2173,
0.2872

■ 60.1664, 0.2173,
0.2872

■ 57.5221, 0.2128,
0.2814

■ 63.2303, 0.2238,
0.2931

■ 55.2282, 0.2099,
0.2757

■ 66.7596, 0.2322,
0.2989

■ 70.8005, 0.2425,
0.3046

■ 75.3914, 0.2544,
0.3101

■ 80.5668, 0.2677,
0.3153

■ 86.3582, 0.2820,
0.3203

■ 92.7945, 0.2971,
0.3248

■ 99.9029, 0.3125,
0.3290

■ 99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



60.1664, 0.2361, 0.3368



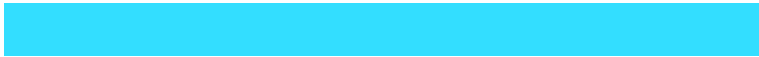
60.1664, 0.2173, 0.2872



60.1664, 0.2212, 0.2552

Triad

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



60.1664, 0.2173, 0.2872



60.1664, 0.3458, 0.2778



60.1664, 0.3769, 0.4224

Complementary

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



60.1664, 0.2173, 0.2872



27.7847, 0.5703, 0.3524

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.



60.1664, 0.4114, 0.3958



60.1664, 0.2173, 0.2872



60.1664, 0.3940, 0.3144

Square

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



60.1664, 0.2173, 0.2872



60.1664, 0.2914, 0.2528



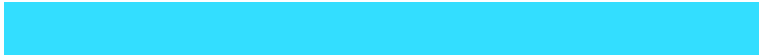
60.1664, 0.4186, 0.3563



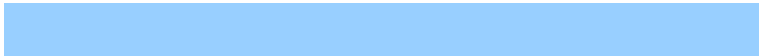
60.1664, 0.3268, 0.4224

Rectangle

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



60.1664, 0.2173, 0.2872



60.1664, 0.2361, 0.2456



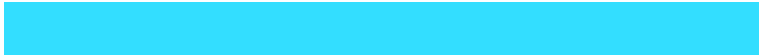
60.1664, 0.4186, 0.3563



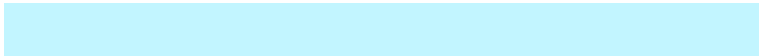
60.1664, 0.3908, 0.4158

Sweetspot

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



60.1686, 0.2173, 0.2872



84.0429, 0.2763, 0.3184



72.8036, 0.2941, 0.5546



17.5502, 0.2712, 0.3166



0.0000, 0.0000, 0.0000



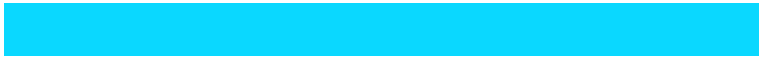
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.1686, 0.2173, 0.2872



56.1403, 0.2110, 0.2780



21.8871, 0.1811, 0.1502



19.9528, 0.2980, 0.3251



29.0491, 0.2102, 0.2767



2.9559, 0.2120, 0.2833

Inverse Universe

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



28.8749, 0.3558, 0.1848



26.4133, 0.3652, 0.1797



55.5626, 0.4703, 0.4440



18.2470, 0.3163, 0.3093



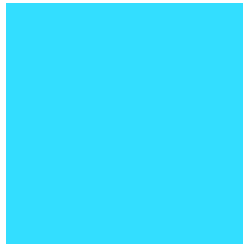
13.6605, 0.3666, 0.1793



1.3429, 0.3605, 0.1759

Previews

White Background



This preview shows how the Yxy color 60.1664, 0.2173, 0.2872 looks on a white background.

Color Contrast Check

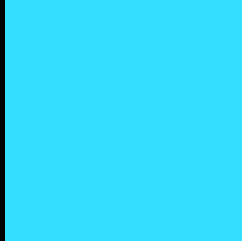
Large Text (above 18pt) WCAG AA × Fail

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 60.1664, 0.2173, 0.2872 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 60.1664, 0.2173, 0.2872

Background



This preview shows how black text looks on a background with the Yxy color 60.1664, 0.2173, 0.2872.

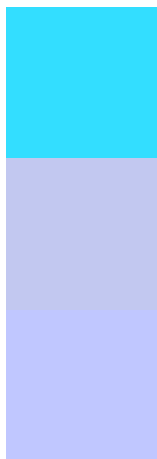


This preview shows how white text looks on a background with the Yxy color 60.1664, 0.2173, 0.2872.

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

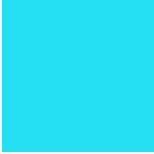
60.1664, 0.2173, 0.2872

Protanopia

59.0692, 0.2813, 0.2834

Deuteranopia

59.2733, 0.2708, 0.2666



Tritanopia

60.0972, 0.2206, 0.3053

Trichromacy



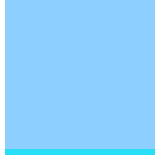
Original Color

60.1664, 0.2173, 0.2872



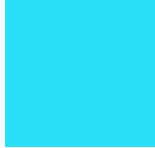
Protanomaly

57.4551, 0.2479, 0.2838



Deuteranomaly

57.5084, 0.2424, 0.2714



Tritanomaly

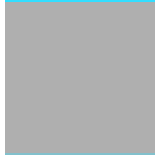
59.9622, 0.2190, 0.2979

Monochromacy



Original Color

60.1664, 0.2173, 0.2872



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.8047, 0.2599, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.1664, 0.2173, 0.2872 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(51, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 222, 255)  
}
```

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(51, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 60.1664, 0.2173, 0.2872 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(51, 222, 255) }
```

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

```
.border{ border-color:rgb(51, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 222,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 60.1664, 0.2173, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 222, 255) }
```

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

```
.background{ background-color: rgb(51, 222,  
255) }
```

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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