

Converting Colors

$Y_{xy}(60.9116, 0.2178, 0.2890)$

Have a look what the booklet for
Yxy(60.9116, 0.2178, 0.2890)
contains.

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Color

Yxy(60.6992, 0.2177, 0.2885)

Conversions

Conversions Part 1

Format	Color
Hex	33DFFF
RGB	51, 223, 255
RGB Percent	20%, 87%, 100%
CMY	0.7996, 0.1255, 0.0001
CMYK	0.80, 0.13, 0.00, 0.00
HSL	189°, 100%, 60%
HSV	189°, 80%, 100%
XYZ	45.8032, 60.6992, 103.8935
YIQ	175.2200, -112.7840, -26.5120

Conversions

Conversions Part 2

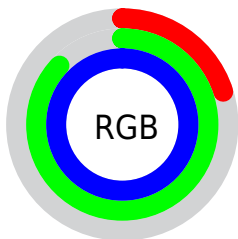
Format	Color
RYB	51, 144, 255
Decimal	3399679
CIELab	82.22, -31.35, -27.56
CIELCh	82, 41.737, 221.321
Yxy	60.6992, 0.2177, 0.2885
Android (android.graphics.Color)	4281589759 (0xFF33DFFF)
YUV	175.2200, 39.3315, -108.9409
Hunter-Lab	77.9097, -31.4017, -24.5271

Details

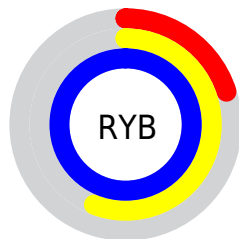
The Yxy color **60.6992, 0.2177, 0.2885** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.6939, 0.5706, 0.3517**, and the grayscale version is **42.8400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **31.7147, 0.2106, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **58.0975, 0.2132, 0.2829**, and if you desaturate by 10%, it is **63.7185, 0.2241, 0.2942**.

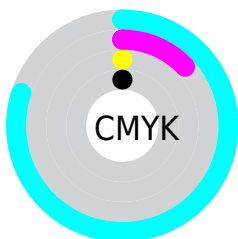
Distribution



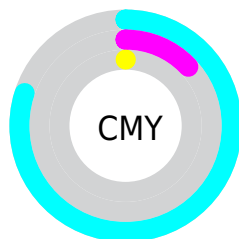
- Red (20%)
- Green (87%)
- Blue (100%)



- 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 60.6992, 0.2177, 0.2885 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 60.6992, 0.2177, 0.2885 by changing the saturation by 10% instead.

 60.6992, 0.2177,
0.2885

 60.6992, 0.2177,
0.2885


427.1702, 0.2611,
0.3091


 43.9825, 0.2081,
0.2834


 105.8433, 0.2325,
0.2960


 30.6567, 0.1964,
0.2769


 135.0394, 0.2384,
0.2988

 20.3376, 0.1819,
0.2684


 169.1641, 0.2434,
0.3012

 12.6407, 0.1637,
0.2570

 208.6018, 0.2478,
0.3032

 7.1816, 0.1402,
0.2408

253.7369, 0.2517,
0.3050

 3.5759, 0.1094,
0.2169

304.9537, 0.2552,

 1.4393, 0.0652,

0.3066

0.1803

362.6367, 0.2583,
0.3079

0.2454, 0.0000,
0.0808

0.0000, 0.0000,
0.0000

60.6992, 0.2177,
0.2885

60.6992, 0.2177,
0.2885

58.0975, 0.2132,
0.2829

63.7185, 0.2241,
0.2942

55.8219, 0.2104,
0.2773

67.2010, 0.2325,
0.2998

55.8137, 0.2104,
0.2773

71.1927, 0.2428,
0.3054

75.7320, 0.2546,
0.3107

80.8534, 0.2679,
0.3158

86.5881, 0.2822,
0.3206

92.9651, 0.2973,
0.3250

99.9969, 0.3127,
0.3290

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



60.6992, 0.2371, 0.3384



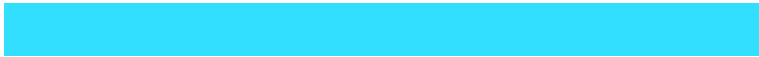
60.6992, 0.2177, 0.2885



60.6992, 0.2210, 0.2560

Triad

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



60.6992, 0.2177, 0.2885



60.6992, 0.3442, 0.2770



60.6992, 0.3780, 0.4217

Complementary

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



60.6992, 0.2177, 0.2885



27.6939, 0.5706, 0.3517

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.



60.6992, 0.4118, 0.3947



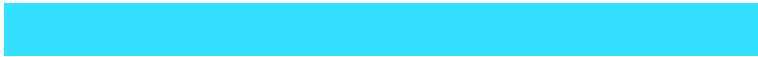
60.6992, 0.2177, 0.2885



60.6992, 0.3927, 0.3133

Square

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



60.6992, 0.2177, 0.2885



60.6992, 0.2900, 0.2525



60.6992, 0.4181, 0.3550



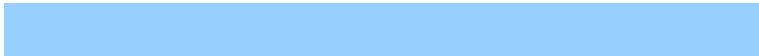
60.6992, 0.3283, 0.4227

Rectangle

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



60.6992, 0.2177, 0.2885



60.6992, 0.2354, 0.2460



60.6992, 0.4181, 0.3550



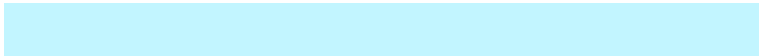
60.6992, 0.3917, 0.4149

Sweetspot

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



60.7014, 0.2177, 0.2885



84.2105, 0.2763, 0.3187



72.8190, 0.2940, 0.5542



17.5911, 0.2713, 0.3170



0.0000, 0.0000, 0.0000



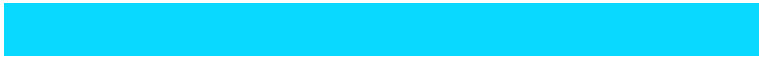
21.4041, 0.3127, 0.3290

Same Dimension

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



60.7014, 0.2177, 0.2885



56.7072, 0.2114, 0.2795



21.9557, 0.1813, 0.1506



19.9675, 0.2980, 0.3252



29.3507, 0.2106, 0.2782



2.9825, 0.2124, 0.2846

Inverse Universe

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



28.9601, 0.3547, 0.1843



26.4706, 0.3638, 0.1789



55.6199, 0.4701, 0.4439



18.2485, 0.3162, 0.3092



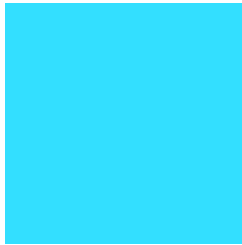
13.6909, 0.3651, 0.1785



1.3456, 0.3592, 0.1753

Previews

White Background



This preview shows how the Yxy color 60.6992, 0.2177, 0.2885 looks on a white background.

Color Contrast Check

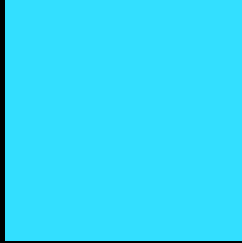
Large Text (above 18pt) WCAG AA × Fail

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 60.6992, 0.2177, 0.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

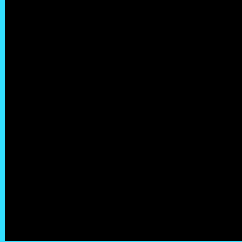
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.6992, 0.2177, 0.2885

Background



This preview shows how black text looks on a background with the Yxy color 60.6992, 0.2177, 0.2885.

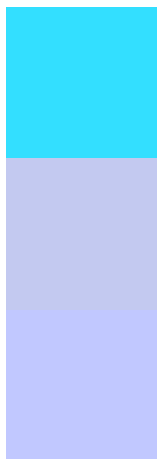


This preview shows how white text looks on a background with the Yxy color 60.6992, 0.2177, 0.2885.

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

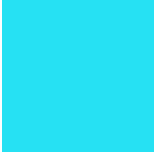
60.6992, 0.2177, 0.2885

Protanopia

59.6667, 0.2820, 0.2846

Deuteranopia

59.8660, 0.2715, 0.2678



Tritanopia

60.7336, 0.2208, 0.3054

Trichromacy



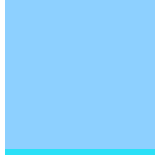
Original Color

60.6992, 0.2177, 0.2885



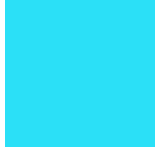
Protanomaly

58.0331, 0.2486, 0.2851



Deuteranomaly

57.9945, 0.2426, 0.2727



Tritanomaly

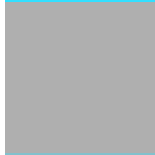
60.5403, 0.2197, 0.2992

Monochromacy



Original Color

60.6992, 0.2177, 0.2885



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 60.6992, 0.2177, 0.2885 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, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 223, 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, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 60.6992, 0.2177, 0.2885 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, 223, 255) }
```

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

```
.border{ border-color:rgb(51, 223, 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, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6992, 0.2177, 0.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 223, 255) }
```

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

```
.background{ background-color: rgb(51, 223,  
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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