

Converting Colors

$Yxy(60.4326, 0.2171, 0.2880)$

Have a look what the booklet for
Yxy(60.4326, 0.2171, 0.2880)
contains.

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Color

Yxy(60.6237, 0.2172, 0.2884)

Conversions

Conversions Part 1

Format	Color
Hex	30DFFF
RGB	48, 223, 255
RGB Percent	19%, 87%, 100%
CMY	0.8120, 0.1255, 0.0000
CMYK	0.81, 0.13, 0.00, 0.00
HSL	189°, 100%, 59%
HSV	189°, 81%, 100%
XYZ	45.6570, 60.6237, 103.9263
YIQ	174.3230, -114.5720, -27.1480

Conversions

Conversions Part 2

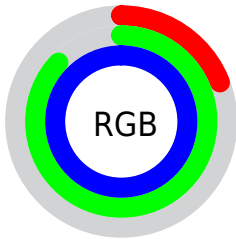
Format	Color
RYB	48, 143, 255
Decimal	3203071
CIELab	82.18, -31.59, -27.65
CIELCh	82, 41.979, 221.196
Yxy	60.6237, 0.2172, 0.2884
Android (android.graphics.Color)	4281393151 (0xFF30DFFF)
YUV	174.3230, 39.7738, -110.7853
Hunter-Lab	77.8612, -31.5867, -24.6353

Details

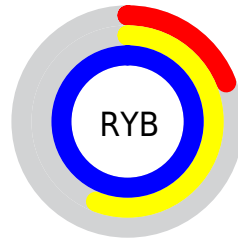
The Yxy color **60.6237, 0.2172, 0.2884** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.1991, 0.5758, 0.3509**, and the grayscale version is **42.3272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **31.7147, 0.2106, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **58.0917, 0.2130, 0.2829**, and if you desaturate by 10%, it is **63.5608, 0.2234, 0.2940**.

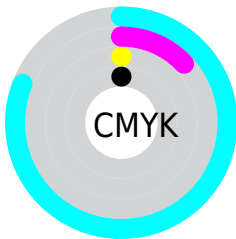
Distribution



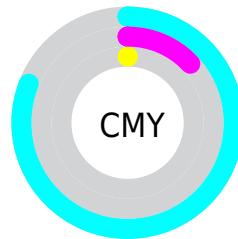
- Red (19%)
- Green (87%)
- Blue (100%)



- Red (19%)
- Yellow (56%)
- Blue (100%)



- Cyan (81%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)




- Cyan (81%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6237, 0.2172, 0.2884 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 60.6237, 0.2172, 0.2884 by changing the saturation by 10% instead.


 60.6237, 0.2172,
0.2884


 60.6237, 0.2172,
0.2884


426.8929, 0.2608,
0.3091


 43.9216, 0.2075,
0.2833


 105.7339, 0.2321,
0.2959


 30.6088, 0.1958,
0.2768


 134.9107, 0.2380,
0.2987

 20.3012, 0.1813,
0.2683


 169.0146, 0.2431,
0.3011

 12.6142, 0.1629,
0.2567

 208.4298, 0.2475,
0.3032

 7.1634, 0.1394,
0.2405

253.5409, 0.2514,
0.3050

 3.5645, 0.1086,
0.2165

304.7322, 0.2549,

 1.4331, 0.0640,

0.3065

0.1798

362.3881, 0.2580,
0.3079

■ 0.2409, 0.0000,
0.0794

■ 0.0000, 0.0000,
0.0000

■ 60.6237, 0.2172,
0.2884

■ 60.6237, 0.2172,
0.2884

■ 58.0917, 0.2130,
0.2829

■ 63.5608, 0.2234,
0.2940

■ 56.1260, 0.2106,
0.2781

■ 66.9556, 0.2315,
0.2996

■ 70.8532, 0.2415,
0.3051

■ 75.2925, 0.2531,
0.3103

80.3083, 0.2662,
0.3154

85.9322, 0.2804,
0.3201

92.1936, 0.2954,
0.3245

99.1197, 0.3108,
0.3285

100.0000, 0.3127,
0.3290

Harmonies

Analogous

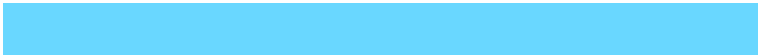
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.6237, 0.2368, 0.3386



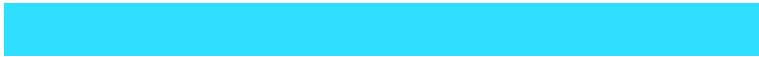
60.6237, 0.2172, 0.2884



60.6237, 0.2204, 0.2556

Triad

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



60.6237, 0.2172, 0.2884



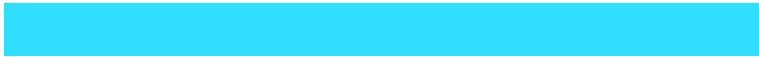
60.6237, 0.3441, 0.2766



60.6237, 0.3786, 0.4222

Complementary

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



60.6237, 0.2172, 0.2884



27.1991, 0.5758, 0.3509

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.



60.6237, 0.4125, 0.3949



60.6237, 0.2172, 0.2884



60.6237, 0.3931, 0.3130

Square

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



60.6237, 0.2172, 0.2884



60.6237, 0.2896, 0.2520



60.6237, 0.4187, 0.3550



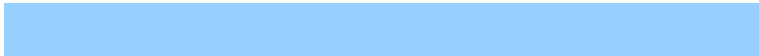
60.6237, 0.3286, 0.4234

Rectangle

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



60.6237, 0.2172, 0.2884



60.6237, 0.2348, 0.2455



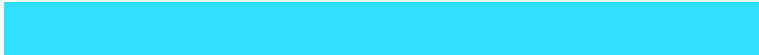
60.6237, 0.4187, 0.3550



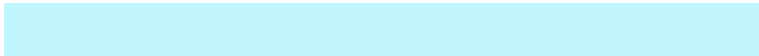
60.6237, 0.3923, 0.4153

Sweetspot

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



60.6240, 0.2172, 0.2884



84.2971, 0.2764, 0.3188



72.7110, 0.2941, 0.5572



17.6122, 0.2713, 0.3172



0.0000, 0.0000, 0.0000



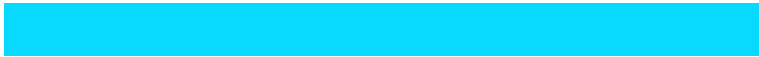
21.4041, 0.3127, 0.3290

Same Dimension

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



60.6240, 0.2172, 0.2884



56.7817, 0.2113, 0.2797



21.3769, 0.1798, 0.1477



19.9750, 0.2980, 0.3252



29.5072, 0.2108, 0.2790



2.9963, 0.2126, 0.2853

Inverse Universe

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



28.6960, 0.3548, 0.1831



26.4244, 0.3636, 0.1785



55.1442, 0.4723, 0.4444



18.2493, 0.3162, 0.3091



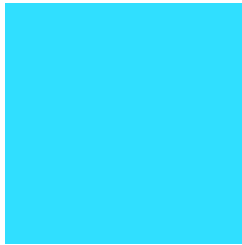
13.7067, 0.3644, 0.1781



1.3470, 0.3586, 0.1749

Previews

White Background



This preview shows how the Yxy color 60.6237, 0.2172, 0.2884 looks on a white background.

Color Contrast Check

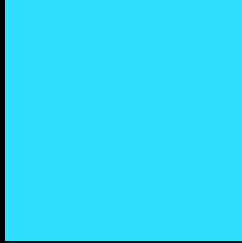
Large Text (above 18pt) WCAG AA × Fail

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 60.6237, 0.2172, 0.2884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

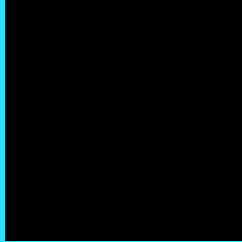
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.6237, 0.2172, 0.2884

Background



This preview shows how black text looks on a background with the Yxy color 60.6237, 0.2172, 0.2884.

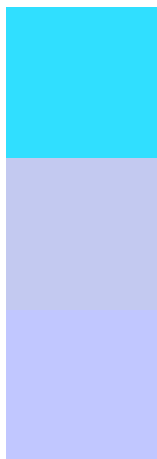


This preview shows how white text looks on a background with the Yxy color 60.6237, 0.2172, 0.2884.

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

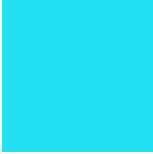
60.6237, 0.2172, 0.2884

Protanopia

59.6667, 0.2820, 0.2846

Deuteranopia

59.4043, 0.2714, 0.2667



Tritanopia

60.6448, 0.2202, 0.3054

Trichromacy



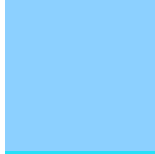
Original Color

60.6237, 0.2172, 0.2884



Protanomaly

57.9443, 0.2481, 0.2850



Deuteranomaly

57.9072, 0.2421, 0.2726



Tritanomaly

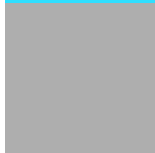
60.4388, 0.2190, 0.2992

Monochromacy



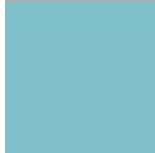
Original Color

60.6237, 0.2172, 0.2884



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.6003, 0.2593, 0.3136

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6237, 0.2172, 0.2884 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, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 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(48, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 223, 255) }
```

Border

The CSS property to change the border of an element to Yxy 60.6237, 0.2172, 0.2884 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, 223, 255) }
```

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

```
.border{ border-color:rgb(48, 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(48, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 223,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6237, 0.2172, 0.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 223, 255) }
```

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

```
.background{ background-color: rgb(48, 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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