

Converting Colors

$Y_{xy}(53.1060, 0.2258, 0.3020)$

Have a look what the booklet for
Yxy(53.1060, 0.2258, 0.3020)
contains.

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Color

Yxy(52.9996, 0.2257, 0.3017)

Conversions

Conversions Part 1

Format	Color
Hex	43D2E6
RGB	67, 210, 230
RGB Percent	26%, 82%, 90%
CMY	0.7371, 0.1765, 0.0979
CMYK	0.71, 0.09, 0.00, 0.10
HSL	187°, 77%, 58%
HSV	187°, 71%, 90%
XYZ	39.6487, 52.9996, 83.0216
YIQ	169.5230, -91.6480, -24.0960

Conversions

Conversions Part 2

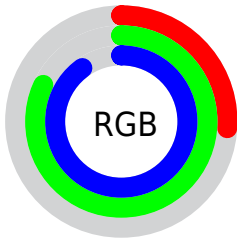
Format	Color
RYB	67, 143, 230
Decimal	4444902
CIELab	77.87, -31.04, -20.86
CIELCh	78, 37.398, 213.906
Yxy	52.9996, 0.2257, 0.3017
Android (android.graphics.Color)	4282634982 (0xFF43D2E6)
YUV	169.5230, 29.8152, -89.9127
Hunter-Lab	72.8008, -30.1870, -16.6533

Details

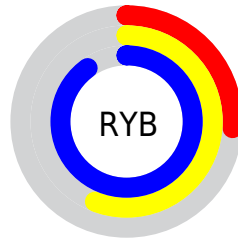
The Yxy color **52.9996, 0.2257, 0.3017** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **24.0611, 0.5362, 0.3480**, and the grayscale version is **39.8393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **26.4987, 0.2151, 0.2944** is the 20% darker color. If you saturate the color by 10%, you get **50.9596, 0.2199, 0.2974**, and if you desaturate by 10%, it is **55.3909, 0.2335, 0.3060**.

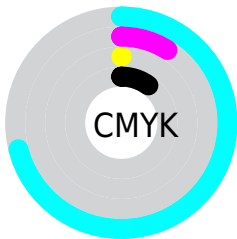
Distribution



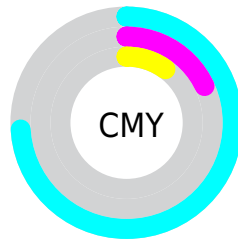
- Red (26%)
- Green (82%)
- Blue (90%)



- Red (26%)
- Yellow (56%)
- Blue (90%)



- Cyan (71%)
- Magenta (9%)
- Yellow (0%)
- Black (10%)




- Cyan (74%)
- Magenta (18%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9996, 0.2257, 0.3017 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 52.9996, 0.2257, 0.3017 by changing the saturation by 10% instead.


 52.9996, 0.2257,
0.3017


 52.9996, 0.2257,
0.3017


398.2836, 0.2667,
0.3163

 37.8025, 0.2163,
0.2979


 94.6038, 0.2400,
0.3072

 25.8294, 0.2046,
0.2928


 121.7796, 0.2455,
0.3092

 16.6961, 0.1899,
0.2860


 153.7171, 0.2503,
0.3109

 10.0180, 0.1708,
0.2764


 190.8007, 0.2545,
0.3123

 5.4109, 0.1455,
0.2621

233.4147, 0.2581,
0.3135

 2.4903, 0.1109,
0.2389

281.9436, 0.2613,

 0.8718, 0.0169,

0.3146

0.2080

336.7718, 0.2641,
0.3155

■ 0.0000, 0.0000,
0.0000

■ 52.9996, 0.2257,
0.3017

■ 52.9996, 0.2257,
0.3017

■ 50.9596, 0.2199,
0.2974

■ 55.3909, 0.2335,
0.3060

■ 49.2241, 0.2159,
0.2931


■ 58.1618, 0.2431,
0.3103

■ 47.8427, 0.2137,
0.2892


■ 61.3442, 0.2545,
0.3144

■ 64.9650, 0.2673,
0.3184

■ 69.0486, 0.2812,
0.3221

 73.6175, 0.2960,
0.3256

 78.6927, 0.3114,
0.3287

 84.2940, 0.3270,
0.3316

 86.6427, 0.3294,
0.3344

Harmonies

Analogous

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



52.9996, 0.2493, 0.3506



52.9996, 0.2257, 0.3017



52.9996, 0.2234, 0.2662

Triad

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



52.9996, 0.2257, 0.3017



52.9996, 0.3296, 0.2730



52.9996, 0.3840, 0.4117

Complementary

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



52.9996, 0.2257, 0.3017



24.0611, 0.5362, 0.3480

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.



52.9996, 0.4099, 0.3827



52.9996, 0.2257, 0.3017



52.9996, 0.3779, 0.3052

Square

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



52.9996, 0.2257, 0.3017



52.9996, 0.2799, 0.2533



52.9996, 0.4082, 0.3441



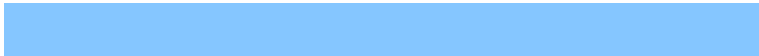
52.9996, 0.3399, 0.4192

Rectangle

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



52.9996, 0.2257, 0.3017



52.9996, 0.2337, 0.2533



52.9996, 0.4082, 0.3441



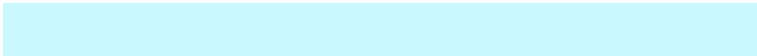
52.9996, 0.3952, 0.4038

Sweetspot

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



53.0016, 0.2257, 0.3017



87.0929, 0.2808, 0.3220



58.4759, 0.2959, 0.5356



18.3229, 0.2769, 0.3210



0.0000, 0.0000, 0.0000



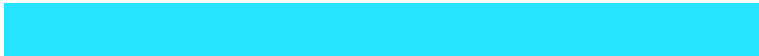
21.4041, 0.3127, 0.3290

Same Dimension

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



53.0016, 0.2257, 0.3017



63.3242, 0.2178, 0.2954



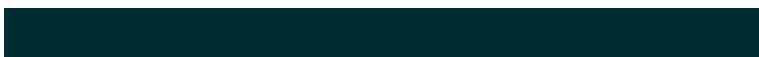
22.7473, 0.1958, 0.1816



16.0181, 0.2982, 0.3260



27.2013, 0.2139, 0.2898



2.0955, 0.2156, 0.2961

Inverse Universe

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



25.4998, 0.3422, 0.1886



28.2840, 0.3490, 0.1763



45.0723, 0.4568, 0.4327



14.5831, 0.3157, 0.3086



11.9437, 0.3545, 0.1726



0.8912, 0.3489, 0.1696

Previews

White Background



This preview shows how the Yxy color 52.9996, 0.2257, 0.3017 looks on a white background.

Color Contrast Check

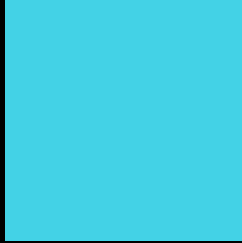
Large Text (above 18pt) WCAG AA × Fail

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 52.9996, 0.2257, 0.3017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

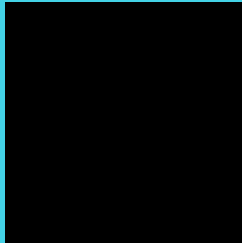
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.9996, 0.2257, 0.3017

Background



This preview shows how black text looks on a background with the Yxy color 52.9996, 0.2257, 0.3017.



This preview shows how white text looks on a background with the Yxy color 52.9996, 0.2257, 0.3017.

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

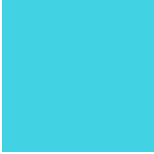
52.9996, 0.2257, 0.3017

Protanopia

52.3496, 0.2915, 0.2974

Deuteranopia

52.1036, 0.2785, 0.2725



Tritanopia

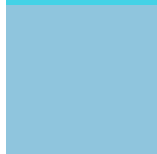
52.7631, 0.2264, 0.3056

Trichromacy



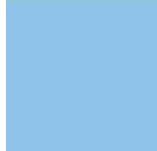
Original Color

52.9996, 0.2257, 0.3017



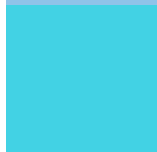
Protanomaly

50.9926, 0.2589, 0.2978



Deuteranomaly

50.7530, 0.2520, 0.2807



Tritanomaly

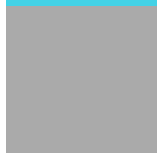
52.8529, 0.2263, 0.3043

Monochromacy



Original Color

52.9996, 0.2257, 0.3017



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.4902, 0.2679, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9996, 0.2257, 0.3017 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(67, 210, 230)` looks like.

```
.text, #text, p{  
    color:rgb(67, 210, 230)  
}
```

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(67, 210, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 210, 230) }
```

Border

The CSS property to change the border of an element to Yxy 52.9996, 0.2257, 0.3017 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(67, 210, 230) }
```

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

```
.border{ border-color:rgb(67, 210, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 210, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 210, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 210, 230);  
box-shadow:4px 4px 4px 4px rgb(67, 210,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9996, 0.2257, 0.3017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 210, 230) }
```

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

```
.background{ background-color: rgb(67, 210,  
230) }
```

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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