

Converting Colors

$Yxy(53.5599, 0.2458, 0.3169)$

Have a look what the booklet for
Yxy(53.5599, 0.2458, 0.3169)
contains.

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Color

Yxy(53.3727, 0.2456, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	6DD0D9
RGB	109, 208, 217
RGB Percent	43%, 82%, 85%
CMY	0.5724, 0.1843, 0.1490
CMYK	0.50, 0.04, 0.00, 0.15
HSL	185°, 59%, 64%
HSV	185°, 50%, 85%
XYZ	41.3904, 53.3727, 73.7645
YIQ	179.4250, -61.8930, -18.1890

Conversions

Conversions Part 2

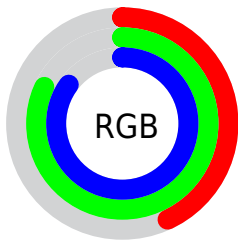
Format	Color
RYB	109, 161, 217
Decimal	7196889
CIELab	78.09, -26.59, -13.42
CIELCh	78, 29.789, 206.781
Yxy	53.3727, 0.2456, 0.3167
Android (android.graphics.Color)	4285386969 (0xFF6DD0D9)
YUV	179.4250, 18.5245, -61.7627
Hunter-Lab	73.0566, -26.7195, -8.7249

Details

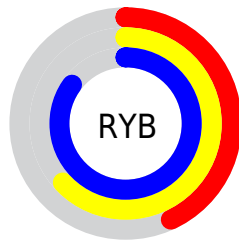
The Yxy color **53.3727, 0.2456, 0.3167** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.8244, 0.4468, 0.3402**, and the grayscale version is **45.2483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **25.9719, 0.2288, 0.3121** is the 20% darker color. If you saturate the color by 10%, you get **51.2863, 0.2363, 0.3139**, and if you desaturate by 10%, it is **55.8129, 0.2567, 0.3195**.

Distribution



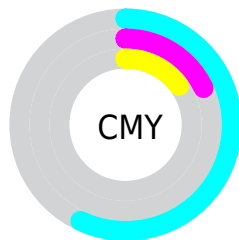
- Red (43%)
- Green (82%)
- Blue (85%)



- Red (43%)
- Yellow (63%)
- Blue (85%)



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)




- Cyan (57%)
- Magenta (18%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3727, 0.2456, 0.3167 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 53.3727, 0.2456, 0.3167 by changing the saturation by 10% instead.


 53.3727, 0.2456,
0.3167


 53.3727, 0.2456,
0.3167


399.7134, 0.2776,
0.3235

 38.1004, 0.2381,
0.3148


 95.1526, 0.2569,
0.3193

 26.0606, 0.2287,
0.3123


 122.4289, 0.2612,
0.3203

 16.8690, 0.2167,
0.3089


 154.4754, 0.2649,
0.3210

 10.1411, 0.2008,
0.3039

191.6763, 0.2681,
0.3217

 5.4926, 0.1790,
0.2960

234.4162, 0.2710,
0.3223

 2.5391, 0.1475,
0.2825

283.0795, 0.2734,

 0.8962, 0.0603,

0.3227

0.2668

338.0504, 0.2756,
0.3232

0.0000, 0.0000,
0.0000

53.3727, 0.2456,
0.3167

53.3727, 0.2456,
0.3167

51.2863, 0.2363,
0.3139

55.8129, 0.2567,
0.3195

49.5222, 0.2288,
0.3110

58.6238, 0.2692,
0.3221

48.0533, 0.2232,
0.3081


61.8282, 0.2830,
0.3246


46.8452, 0.2196,
0.3053


65.4455, 0.2978,
0.3269

45.8380, 0.2174,
0.3025


69.4938, 0.3131,
0.3291

 45.8136, 0.2173,
0.3024

 73.9899, 0.3288,
0.3310

 77.8049, 0.3402,
0.3328

 78.7636, 0.3399,
0.3346

 79.7325, 0.3396,
0.3364

Harmonies

Analogous

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



53.3727, 0.2690, 0.3556



53.3727, 0.2456, 0.3167



53.3727, 0.2393, 0.2847

Triad

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



53.3727, 0.2456, 0.3167



53.3727, 0.3168, 0.2787



53.3727, 0.3766, 0.3913

Complementary

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



53.3727, 0.2456, 0.3167



28.8244, 0.4468, 0.3402

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.



53.3727, 0.3919, 0.3663



53.3727, 0.2456, 0.3167



53.3727, 0.3563, 0.3032

Square

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



53.3727, 0.2456, 0.3167



53.3727, 0.2784, 0.2656



53.3727, 0.3846, 0.3344



53.3727, 0.3443, 0.4007

Rectangle

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



53.3727, 0.2456, 0.3167



53.3727, 0.2450, 0.2712



53.3727, 0.3846, 0.3344



53.3727, 0.3840, 0.3843

Sweetspot

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



53.3747, 0.2456, 0.3167



91.4355, 0.2897, 0.3257



54.1883, 0.3007, 0.4737



19.3376, 0.2866, 0.3252



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.



53.3747, 0.2456, 0.3167



73.6941, 0.2356, 0.3136



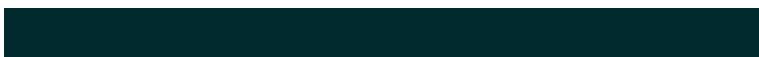
31.3836, 0.2305, 0.2380



14.6341, 0.2982, 0.3270



27.8092, 0.2175, 0.3028



1.8576, 0.2187, 0.3074

Inverse Universe

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



30.2525, 0.3275, 0.2179



37.1882, 0.3312, 0.1985



45.3687, 0.4108, 0.4040



13.2551, 0.3150, 0.3078



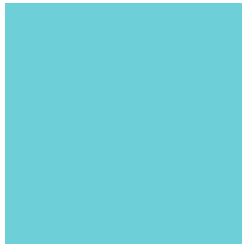
11.4311, 0.3429, 0.1663



0.7462, 0.3389, 0.1641

Previews

White Background



This preview shows how the Yxy color 53.3727, 0.2456, 0.3167 looks on a white background.

Color Contrast Check

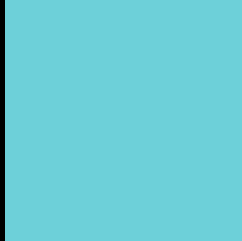
Large Text (above 18pt) WCAG AA × Fail

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 53.3727, 0.2456, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

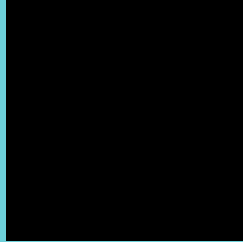
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.3727, 0.2456, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 53.3727, 0.2456, 0.3167.

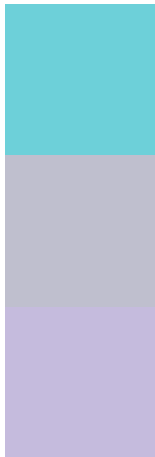


This preview shows how white text looks on a background with the Yxy color 53.3727, 0.2456, 0.3167.

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

53.3727, 0.2456, 0.3167

Protanopia

52.7942, 0.3016, 0.3107

Deuteranopia

52.6314, 0.2955, 0.2889



Tritanopia

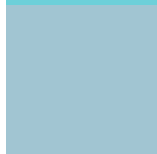
53.3870, 0.2428, 0.3063

Trichromacy



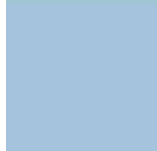
Original Color

53.3727, 0.2456, 0.3167



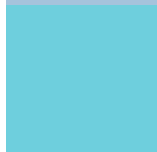
Protanomaly

52.1627, 0.2771, 0.3122



Deuteranomaly

52.1969, 0.2734, 0.2976



Tritanomaly

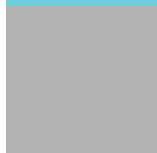
53.1611, 0.2438, 0.3101

Monochromacy



Original Color

53.3727, 0.2456, 0.3167



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.5472, 0.2826, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3727, 0.2456, 0.3167 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(109, 208, 217)` looks like.

```
.text, #text, p{  
    color:rgb(109, 208, 217)  
}
```

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(109, 208, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 208, 217) }
```

Border

The CSS property to change the border of an element to Yxy 53.3727, 0.2456, 0.3167 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(109, 208, 217) }
```

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

```
.border{ border-color:rgb(109, 208, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 208, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 208, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 208, 217);  
box-shadow:4px 4px 4px 4px rgb(109, 208,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3727, 0.2456, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 208, 217) }
```

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

```
.background{ background-color: rgb(109,  
208, 217) }
```

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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