

Converting Colors

$Yxy(51.6173, 0.2371, 0.2981)$

Have a look what the booklet for
Yxy(51.6173, 0.2371, 0.2981)
contains.

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Color

Yxy(51.6153, 0.2371, 0.2981)

Conversions

Conversions Part 1

Format	Color
Hex	67CCE3
RGB	103, 204, 227
RGB Percent	40%, 80%, 89%
CMY	0.5960, 0.2000, 0.1098
CMYK	0.55, 0.10, 0.00, 0.11
HSL	191°, 69%, 65%
HSV	191°, 55%, 89%
XYZ	41.0533, 51.6153, 80.4790
YIQ	176.4230, -67.5790, -14.2590

Conversions

Conversions Part 2

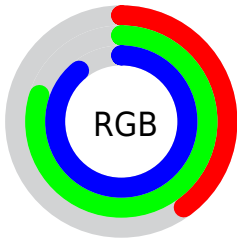
Format	Color
RYB	103, 159, 227
Decimal	6802659
CIELab	77.05, -23.12, -20.40
CIELCh	77, 30.835, 221.417
Yxy	51.6153, 0.2371, 0.2981
Android (android.graphics.Color)	4284992739 (0xFF67CCE3)
YUV	176.4230, 24.9345, -64.3920
Hunter-Lab	71.8438, -23.7274, -16.1257

Details

The Yxy color **51.6153, 0.2371, 0.2981** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.2403, 0.4586, 0.3555**, and the grayscale version is **43.5450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **25.1146, 0.2182, 0.2888** is the 20% darker color. If you saturate the color by 10%, you get **48.4763, 0.2273, 0.2914**, and if you desaturate by 10%, it is **55.1766, 0.2486, 0.3046**.

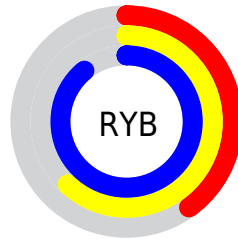
Distribution



Red (40%)

Green (80%)

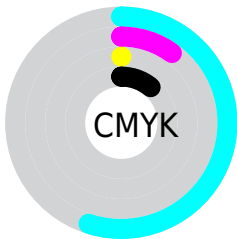
Blue (89%)



Red (40%)

Yellow (62%)

Blue (89%)

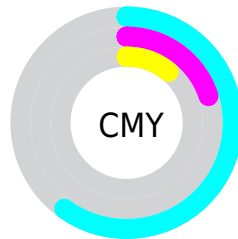


Cyan (55%)

Magenta (10%)

Yellow (0%)

Black (11%)



Cyan (60%)


Magenta (20%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6153, 0.2371, 0.2981 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 51.6153, 0.2371, 0.2981 by changing the saturation by 10% instead.


 51.6153, 0.2371,
0.2981

 51.6153, 0.2371,
0.2981


392.9496, 0.2731,
0.3141


 36.6985, 0.2287,
0.2940


 92.5636, 0.2498,
0.3040

 24.9742, 0.2182,
0.2887


 119.3640, 0.2546,
0.3062

 16.0578, 0.2049,
0.2815


 150.8943, 0.2588,
0.3081

 9.5651, 0.1875,
0.2716

187.5391, 0.2624,
0.3097

 5.1116, 0.1638,
0.2568

229.6826, 0.2656,
0.3110

 2.3129, 0.1304,
0.2334

277.7092, 0.2684,

 0.7805, 0.0453,

0.3122

0.1992

332.0035, 0.2709,
0.3132

■ 0.0000, 0.0000,
0.0000

■ 51.6153, 0.2371,
0.2981

■ 51.6153, 0.2371,
0.2981

■ 48.4763, 0.2273,
0.2914

■ 55.1766, 0.2486,
0.3046

■ 45.7233, 0.2194,
0.2847

■ 59.1818, 0.2615,
0.3107

■ 43.3225, 0.2134,
0.2779


■ 63.6576, 0.2755,
0.3165


■ 41.2308, 0.2093,
0.2712

■ 68.6266, 0.2903,
0.3219


■ 40.1962, 0.2077,
0.2676

■ 74.1101, 0.3056,
0.3269

 80.1278, 0.3210,
0.3314

 85.3620, 0.3316,
0.3355

 87.7824, 0.3311,
0.3396

 90.2602, 0.3306,
0.3437

Harmonies

Analogous

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



51.6153, 0.2531, 0.3368



51.6153, 0.2371, 0.2981



51.6153, 0.2397, 0.2716

Triad

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



51.6153, 0.2371, 0.2981



51.6153, 0.3378, 0.2878



51.6153, 0.3646, 0.4016

Complementary

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



51.6153, 0.2371, 0.2981



32.2403, 0.4586, 0.3555

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.



51.6153, 0.3905, 0.3820



51.6153, 0.2371, 0.2981



51.6153, 0.3751, 0.3173

Square

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



51.6153, 0.2371, 0.2981



51.6153, 0.2954, 0.2678



51.6153, 0.3948, 0.3511



51.6153, 0.3257, 0.4008

Rectangle

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



51.6153, 0.2371, 0.2981



51.6153, 0.2515, 0.2631



51.6153, 0.3948, 0.3511



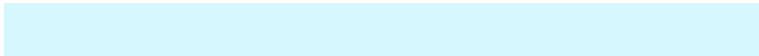
51.6153, 0.3752, 0.3970

Sweetspot

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



51.6172, 0.2371, 0.2981



88.3303, 0.2881, 0.3212



59.3284, 0.2938, 0.4735



18.6123, 0.2850, 0.3201



0.0000, 0.0000, 0.0000



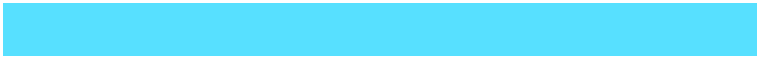
21.4041, 0.3127, 0.3290

Same Dimension

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



51.6172, 0.2371, 0.2981



62.4188, 0.2257, 0.2902



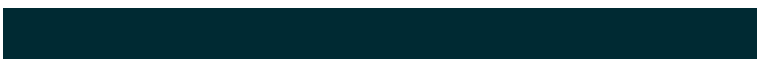
27.8606, 0.2185, 0.2086



15.8577, 0.2981, 0.3245



23.6003, 0.2080, 0.2687



1.8622, 0.2107, 0.2784

Inverse Universe

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



30.3958, 0.3429, 0.2197



33.3972, 0.3514, 0.2022



53.1700, 0.4145, 0.4234



14.5669, 0.3166, 0.3101



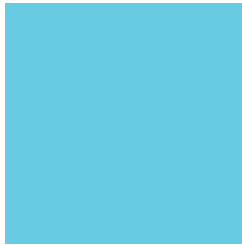
11.5802, 0.3741, 0.1834



0.8677, 0.3649, 0.1784

Previews

White Background



This preview shows how the Yxy color 51.6153, 0.2371, 0.2981 looks on a white background.

Color Contrast Check

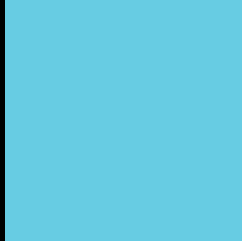
Large Text (above 18pt) WCAG AA × Fail

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 51.6153, 0.2371, 0.2981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

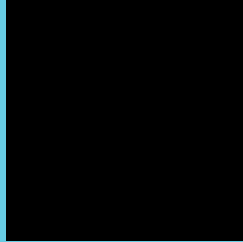
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6153, 0.2371, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 51.6153, 0.2371, 0.2981.



This preview shows how white text looks on a background with the Yxy color 51.6153, 0.2371, 0.2981.

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

51.6153, 0.2371, 0.2981

Protanopia

51.1147, 0.2891, 0.2947

Deuteranopia

50.9065, 0.2803, 0.2743



Tritanopia

51.6498, 0.2394, 0.3072

Trichromacy



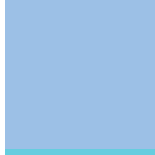
Original Color

51.6153, 0.2371, 0.2981



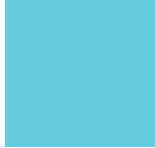
Protanomaly

50.7194, 0.2666, 0.2957



Deuteranomaly

50.4804, 0.2610, 0.2813



Tritanomaly

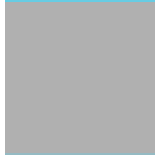
51.8151, 0.2388, 0.3046

Monochromacy



Original Color

51.6153, 0.2371, 0.2981



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

45.4475, 0.2773, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6153, 0.2371, 0.2981 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(103, 204, 227)` looks like.

```
.text, #text, p{  
    color:rgb(103, 204, 227)  
}
```

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(103, 204, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 204, 227) }
```

Border

The CSS property to change the border of an element to Yxy 51.6153, 0.2371, 0.2981 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(103, 204, 227) }
```

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

```
.border{ border-color:rgb(103, 204, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 204, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 204, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 204, 227);  
box-shadow:4px 4px 4px 4px rgb(103, 204,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6153, 0.2371, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 204, 227) }
```

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

```
.background{ background-color: rgb(103,  
204, 227) }
```

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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