

Converting Colors

$Y_{xy}(45.7333, 0.2390, 0.2877)$

Have a look what the booklet for
Yxy(45.7333, 0.2390, 0.2877)
contains.

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Color

Yxy(45.7333, 0.2390, 0.2877)

Conversions

Conversions Part 1

Format	Color
Hex	6DBFDD
RGB	109, 191, 221
RGB Percent	43%, 75%, 87%
CMY	0.5724, 0.2510, 0.1333
CMYK	0.51, 0.14, 0.00, 0.13
HSL	196°, 62%, 65%
HSV	196°, 51%, 87%
XYZ	37.9919, 45.7333, 75.2366
YIQ	169.9020, -58.5020, -8.0540

Conversions

Conversions Part 2

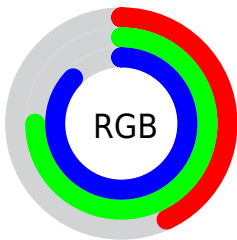
Format	Color
RYB	109, 156, 221
Decimal	7192541
CIELab	73.37, -16.91, -22.73
CIElCh	73, 28.326, 233.349
Yxy	45.7333, 0.2390, 0.2877
Android (android.graphics.Color)	4285382621 (0xFF6DBFDD)
YUV	169.9020, 25.1913, -53.4111
Hunter-Lab	67.6264, -18.0666, -18.6236

Details

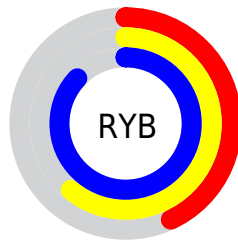
The Yxy color **45.7333, 0.2390, 0.2877** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **34.9557, 0.4366, 0.3649**, and the grayscale version is **40.0457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9570, 0.2626, 0.3200**, and **21.2488, 0.2193, 0.2741** is the 20% darker color. If you saturate the color by 10%, you get **41.9732, 0.2274, 0.2779**, and if you desaturate by 10%, it is **49.9536, 0.2520, 0.2971**.

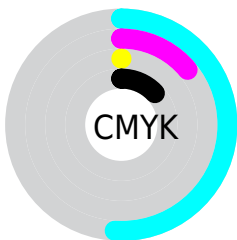
Distribution



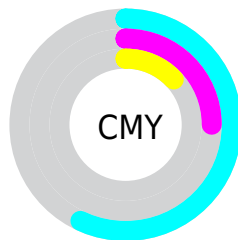
- Red (43%)
- Green (75%)
- Blue (87%)



- Red (43%)
- Yellow (61%)
- Blue (87%)



- Cyan (51%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)





- Cyan (57%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7333, 0.2390, 0.2877 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 45.7333, 0.2390, 0.2877 by changing the saturation by 10% instead.


 45.7333, 0.2390,
0.2877

 45.7333, 0.2390,
0.2877


369.7354, 0.2748,
0.3090


 32.0354, 0.2304,
0.2823


 83.8197, 0.2517,
0.2955

 21.3886, 0.2197,
0.2753


 108.9770, 0.2566,
0.2985

 13.4083, 0.2059,
0.2659


 138.7230, 0.2608,
0.3009

 7.7103, 0.1874,
0.2528

173.4419, 0.2644,
0.3030

 3.9101, 0.1620,
0.2335

213.5182, 0.2675,
0.3048

 1.6234, 0.1254,
0.2029

259.3363, 0.2702,

 0.3733, 0.0000,

0.3064

0.1343

311.2805, 0.2727,
0.3078

0.0000, 0.0000,
0.0000

45.7333, 0.2390,
0.2877

45.7333, 0.2390,
0.2877

41.9732, 0.2274,
0.2779

49.9536, 0.2520,
0.2971

38.6402, 0.2175,
0.2679

54.6545, 0.2662,
0.3059

35.7037, 0.2096,
0.2578


59.8606, 0.2810,
0.3141

33.1260, 0.2036,
0.2477


65.5936, 0.2963,
0.3217

30.9832, 0.1996,
0.2384

71.8735, 0.3117,
0.3286

 78.7192, 0.3270,
0.3347

 84.4535, 0.3357,
0.3405

 87.8533, 0.3349,
0.3463

 91.3667, 0.3341,
0.3520

Harmonies

Analogous

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



45.7333, 0.2474, 0.3210



45.7333, 0.2390, 0.2877



45.7333, 0.2486, 0.2683

Triad

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



45.7333, 0.2390, 0.2877



45.7333, 0.3522, 0.2999



45.7333, 0.3486, 0.4008

Complementary

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



45.7333, 0.2390, 0.2877



34.9557, 0.4366, 0.3649

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.



45.7333, 0.3794, 0.3892



45.7333, 0.2390, 0.2877



45.7333, 0.3824, 0.3307

Square

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



45.7333, 0.2390, 0.2877



45.7333, 0.3121, 0.2765



45.7333, 0.3923, 0.3629



45.7333, 0.3093, 0.3906

Rectangle

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



45.7333, 0.2390, 0.2877



45.7333, 0.2642, 0.2643



45.7333, 0.3923, 0.3629



45.7333, 0.3603, 0.3991

Sweetspot

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



45.7350, 0.2390, 0.2877



87.0864, 0.2895, 0.3184



56.8315, 0.2898, 0.4473



18.2813, 0.2862, 0.3168



0.0000, 0.0000, 0.0000



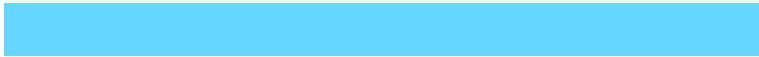
21.4041, 0.3127, 0.3290

Same Dimension

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



45.7350, 0.2390, 0.2877



57.6437, 0.2265, 0.2771



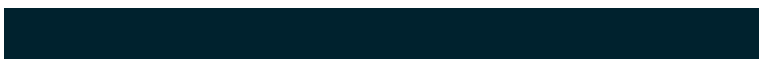
25.8468, 0.2229, 0.2054



14.2084, 0.2982, 0.3226



18.1928, 0.2000, 0.2400



1.3177, 0.2045, 0.2562

Inverse Universe

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



30.0791, 0.3505, 0.2359



35.0891, 0.3617, 0.2196



55.4550, 0.4007, 0.4267



13.2122, 0.3178, 0.3120



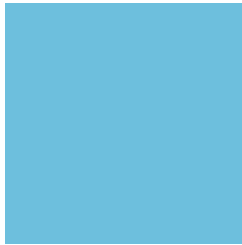
10.4603, 0.4023, 0.1990



0.6917, 0.3861, 0.1901

Previews

White Background



This preview shows how the Yxy color 45.7333, 0.2390, 0.2877 looks on a white background.

Color Contrast Check

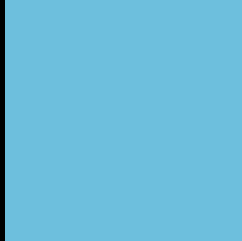
Large Text (above 18pt) WCAG AA × Fail

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 45.7333, 0.2390, 0.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

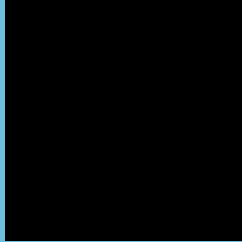
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7333, 0.2390, 0.2877

Background



This preview shows how black text looks on a background with the Yxy color 45.7333, 0.2390, 0.2877.

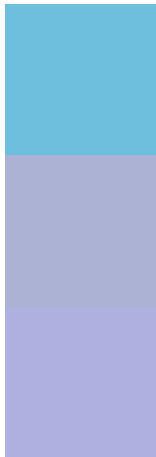


This preview shows how white text looks on a background with the Yxy color 45.7333, 0.2390, 0.2877.

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

45.7333, 0.2390, 0.2877

Protanopia

45.3649, 0.2821, 0.2856

Deuteranopia

45.4312, 0.2752, 0.2693



Tritanopia

45.7466, 0.2437, 0.3062

Trichromacy



Original Color

45.7333, 0.2390, 0.2877

Protanomaly

45.1628, 0.2640, 0.2866

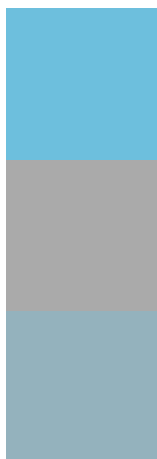
Deuteranomaly

44.8595, 0.2594, 0.2743

Tritanomaly

45.5675, 0.2418, 0.2994

Monochromacy



Original Color

45.7333, 0.2390, 0.2877

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.8108, 0.2798, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7333, 0.2390, 0.2877 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, 191, 221)` looks like.

```
.text, #text, p{  
    color:rgb(109, 191, 221)  
}
```

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, 191, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 191, 221) }
```

Border

The CSS property to change the border of an element to Yxy 45.7333, 0.2390, 0.2877 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, 191, 221) }
```

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

```
.border{ border-color:rgb(109, 191, 221) }
```

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

Here you see how a box with a 4 pixel rgb(109, 191, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 191, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 191, 221);  
box-shadow:4px 4px 4px 4px rgb(109, 191,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7333, 0.2390, 0.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 191, 221) }
```

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

```
.background{ background-color: rgb(109,  
191, 221) }
```

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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