

Converting Colors

$Yxy(47.6741, 0.2287, 0.2696)$

Have a look what the booklet for
Yxy(47.6741, 0.2287, 0.2696)
contains.

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Color

Yxy(47.6991, 0.2287, 0.2696)

Conversions

Conversions Part 1

Format	Color
Hex	67C2EF
RGB	103, 194, 239
RGB Percent	40%, 76%, 94%
CMY	0.5964, 0.2392, 0.0626
CMYK	0.57, 0.19, 0.00, 0.06
HSL	200°, 81%, 67%
HSV	200°, 57%, 94%
XYZ	40.4628, 47.6991, 88.7635
YIQ	171.9210, -68.6810, -5.2970

Conversions

Conversions Part 2

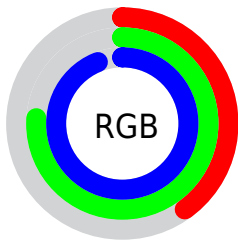
Format	Color
R_{YB}	103, 158, 239
Decimal	6800111
CIE _{Lab}	74.63, -14.53, -30.57
CIE _{LCh}	75, 33.846, 244.571
Y _{xy}	47.6991, 0.2287, 0.2696
Android (android.graphics.Color)	4284990191 (0xFF67C2EF)
YUV	171.9210, 33.0699, -60.4437
Hunter-Lab	69.0645, -16.2851, -27.8558

Details

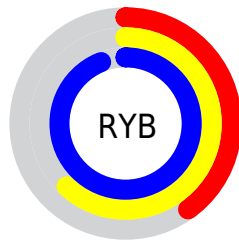
The Yxy color **47.6991, 0.2287, 0.2696** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **40.5013, 0.4537, 0.3778**, and the grayscale version is **41.0616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0009, 0.2613, 0.3244**, and **22.4664, 0.2075, 0.2521** is the 20% darker color. If you saturate the color by 10%, you get **43.0576, 0.2172, 0.2570**, and if you desaturate by 10%, it is **52.9352, 0.2417, 0.2818**.

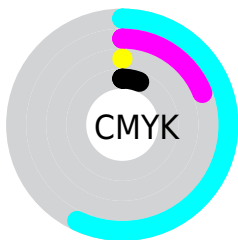
Distribution



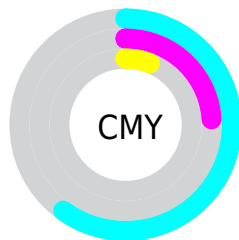
- Red (40%)
- Green (76%)
- Blue (94%)



- Red (40%)
- Yellow (62%)
- Blue (94%)



- Cyan (57%)
- Magenta (19%)
- Yellow (0%)
- Black (6%)



- Cyan (60%)
- Magenta (24%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6991, 0.2287, 0.2696 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 47.6991, 0.2287, 0.2696 by changing the saturation by 10% instead.

■ 47.6991, 0.2287,
0.2696

■ 47.6991, 0.2287,
0.2696

■ 377.5982, 0.2689,
0.2994

■ 33.5887, 0.2193,
0.2623

■ 86.7562, 0.2428,
0.2804

■ 22.5778, 0.2077,
0.2530

■ 112.4717, 0.2483,
0.2844

■ 14.2821, 0.1929,
0.2409

■ 142.8243, 0.2530,
0.2879

■ 8.3171, 0.1736,
0.2246

■ 178.1985, 0.2570,
0.2908

■ 4.2985, 0.1478,
0.2016

■ 218.9785, 0.2606,
0.2934

■ 1.8419, 0.1125,
0.1680

■ 265.5489, 0.2637,

■ 0.5131, 0.0290,

0.2956

0.1119

318.2940, 0.2664,
0.2976

0.0000, 0.0000,
0.0000

47.6991, 0.2287,
0.2696

47.6991, 0.2287,
0.2696

43.0576, 0.2172,
0.2570

52.9352, 0.2417,
0.2818

38.9672, 0.2076,
0.2442

58.7948, 0.2560,
0.2933

35.3851, 0.2001,
0.2315


65.3107, 0.2710,
0.3042

32.2548, 0.1946,
0.2189


72.5113, 0.2864,
0.3141

31.3608, 0.1931,
0.2151

80.4234, 0.3020,
0.3232

 89.0718, 0.3174,
0.3314

 95.4712, 0.3225,
0.3390

 99.0142, 0.3220,
0.3444

Harmonies

Analogous

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



47.6991, 0.2305, 0.3028



47.6991, 0.2287, 0.2696



47.6991, 0.2470, 0.2546

Triad

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



47.6991, 0.2287, 0.2696



47.6991, 0.3747, 0.3075



47.6991, 0.3375, 0.4130

Complementary

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



47.6991, 0.2287, 0.2696



40.5013, 0.4537, 0.3778

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.



47.6991, 0.3791, 0.4072



47.6991, 0.2287, 0.2696



47.6991, 0.4025, 0.3444

Square

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



47.6991, 0.2287, 0.2696



47.6991, 0.3298, 0.2768



47.6991, 0.4037, 0.3806



47.6991, 0.2911, 0.3911

Rectangle

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



47.6991, 0.2287, 0.2696



47.6991, 0.2693, 0.2548



47.6991, 0.4037, 0.3806



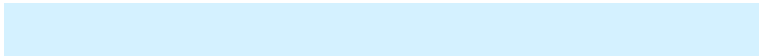
47.6991, 0.3525, 0.4140

Sweetspot

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



47.7008, 0.2287, 0.2696



83.8737, 0.2862, 0.3140



66.7103, 0.2848, 0.4561



17.5790, 0.2831, 0.3121



0.0000, 0.0000, 0.0000



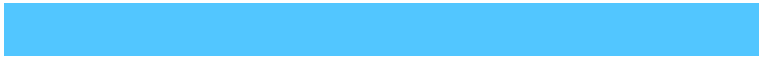
21.4041, 0.3127, 0.3290

Same Dimension

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



47.7008, 0.2287, 0.2696



49.2171, 0.2159, 0.2554



24.5210, 0.2088, 0.1773



16.9964, 0.2980, 0.3210



17.5751, 0.1937, 0.2171



1.6435, 0.1982, 0.2336

Inverse Universe

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



31.9388, 0.3672, 0.2337



31.2948, 0.3828, 0.2203



67.4706, 0.4083, 0.4434



15.9373, 0.3189, 0.3133



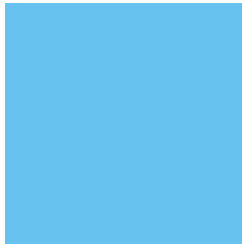
11.5676, 0.4263, 0.2122



0.9806, 0.4089, 0.2026

Previews

White Background



This preview shows how the Yxy color 47.6991, 0.2287, 0.2696 looks on a white background.

Color Contrast Check

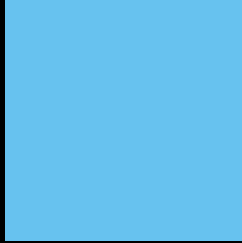
Large Text (above 18pt) WCAG AA × Fail

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 47.6991, 0.2287, 0.2696 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

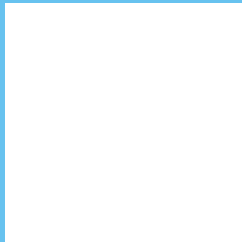
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6991, 0.2287, 0.2696

Background



This preview shows how black text looks on a background with the Yxy color 47.6991, 0.2287, 0.2696.



This preview shows how white text looks on a background with the Yxy color 47.6991, 0.2287, 0.2696.

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

47.6991, 0.2287, 0.2696

Protanopia

47.3628, 0.2703, 0.2697

Deuteranopia

47.3782, 0.2601, 0.2541



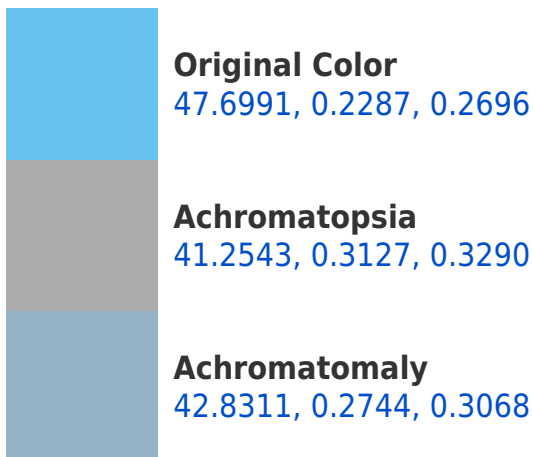
Tritanopia

47.5704, 0.2373, 0.3064

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6991, 0.2287, 0.2696 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, 194, 239)` looks like.

```
.text, #text, p{  
    color:rgb(103, 194, 239)  
}
```

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, 194, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 194, 239) }
```

Border

The CSS property to change the border of an element to Yxy 47.6991, 0.2287, 0.2696 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, 194, 239) }
```

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

```
.border{ border-color:rgb(103, 194, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 194, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 194, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 194, 239);  
box-shadow:4px 4px 4px 4px rgb(103, 194,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6991, 0.2287, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 194, 239) }
```

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

```
.background{ background-color: rgb(103,  
194, 239) }
```

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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