

Converting Colors

$Y_{xy}(45.5305, 0.2269, 0.2741)$

Have a look what the booklet for
Yxy(45.5305, 0.2269, 0.2741)
contains.

Yxy(45.3631, 0.2264, 0.2731)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.3631, 0.2264, 0.2731)

Conversions

Conversions Part 1

Format	Color
Hex	5CBFE8
RGB	92, 191, 232
RGB Percent	36%, 75%, 91%
CMY	0.6395, 0.2509, 0.0901
CMYK	0.60, 0.18, 0.00, 0.09
HSL	198°, 75%, 64%
HSV	198°, 60%, 91%
XYZ	37.6060, 45.3631, 83.1352
YIQ	166.0730, -72.1650, -8.2370

Conversions

Conversions Part 2

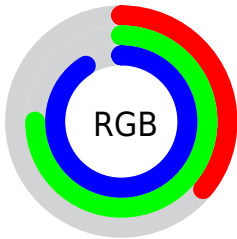
Format	Color
R_{YB}	92, 150, 232
Decimal	6078440
CIE _{Lab}	73.13, -17.12, -29.13
CIE _{LCh}	73, 33.783, 239.556
Yxy	45.3631, 0.2264, 0.2731
Android (android.graphics.Color)	4284268520 (0xFF5CBFE8)
YUV	166.0730, 32.5020, -64.9620
Hunter-Lab	67.3521, -18.2009, -26.0373

Details

The Yxy color **45.3631, 0.2264, 0.2731** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **34.6880, 0.4698, 0.3739**, and the grayscale version is **38.0282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5138, 0.2560, 0.3199**, and **21.3115, 0.2051, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **41.4540, 0.2161, 0.2620**, and if you desaturate by 10%, it is **49.7786, 0.2384, 0.2839**.

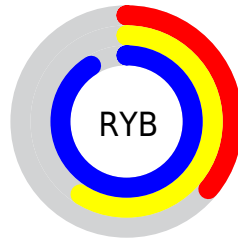
Distribution



Red (36%)

Green (75%)

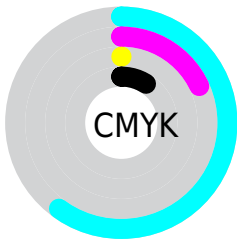
Blue (91%)



Red (36%)

Yellow (59%)

Blue (91%)

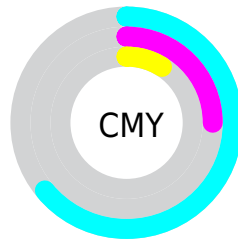


Cyan (60%)

Magenta (18%)

Yellow (0%)

Black (9%)



Cyan (64%)

Magenta (25%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3631, 0.2264, 0.2731 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 45.3631, 0.2264, 0.2731 by changing the saturation by 10% instead.

■ 45.3631, 0.2264,
0.2731

■ 45.3631, 0.2264,
0.2731

■ 368.2421, 0.2680,
0.3016

■ 31.7435, 0.2166,
0.2660

■ 83.2650, 0.2411,
0.2835

■ 21.1657, 0.2044,
0.2568

■ 108.3161, 0.2468,
0.2874

■ 13.2452, 0.1888,
0.2448

■ 137.9466, 0.2516,
0.2907

■ 7.5976, 0.1685,
0.2283

■ 172.5407, 0.2558,
0.2935

■ 3.8385, 0.1411,
0.2047

■ 212.4829, 0.2594,
0.2960

■ 1.5837, 0.1037,
0.1693

■ 258.1577, 0.2626,

■ 0.3465, 0.0000,

0.2981

0.0961

309.9493, 0.2655,
0.3000

0.0000, 0.0000,
0.0000

45.3631, 0.2264,
0.2731

45.3631, 0.2264,
0.2731

41.4540, 0.2161,
0.2620

49.7786, 0.2384,
0.2839

38.0099, 0.2077,
0.2508

54.7275, 0.2518,
0.2942

34.9892, 0.2014,
0.2397

60.2405, 0.2662,
0.3039

32.4150, 0.1970,
0.2292

66.3440, 0.2813,
0.3129

73.0625, 0.2967,
0.3212

■ 80.4191, 0.3121,
0.3287

■ 88.4353, 0.3274,
0.3355

■ 92.6033, 0.3271,
0.3420

■ 96.7967, 0.3264,
0.3485

Harmonies

Analogous

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



45.3631, 0.2317, 0.3095



45.3631, 0.2264, 0.2731



45.3631, 0.2417, 0.2548

Triad

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



45.3631, 0.2264, 0.2731



45.3631, 0.3688, 0.3014



45.3631, 0.3455, 0.4153

Complementary

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



45.3631, 0.2264, 0.2731



34.6880, 0.4698, 0.3739

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.



45.3631, 0.3857, 0.4049



45.3631, 0.2264, 0.2731



45.3631, 0.4009, 0.3381

Square

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



45.3631, 0.2264, 0.2731



45.3631, 0.3217, 0.2719



45.3631, 0.4068, 0.3755



45.3631, 0.2984, 0.3977

Rectangle

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



45.3631, 0.2264, 0.2731



45.3631, 0.2624, 0.2530



45.3631, 0.4068, 0.3755



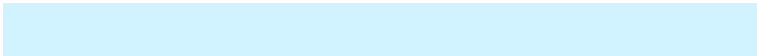
45.3631, 0.3603, 0.4147

Sweetspot

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



45.3648, 0.2264, 0.2731



84.0345, 0.2848, 0.3149



61.6536, 0.2862, 0.4718



17.4859, 0.2803, 0.3124



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.



45.3648, 0.2264, 0.2731



50.4661, 0.2143, 0.2598



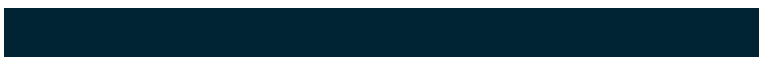
22.0855, 0.2040, 0.1735



15.5863, 0.2981, 0.3220



18.2192, 0.1975, 0.2310



1.5050, 0.2020, 0.2470

Inverse Universe

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



28.5622, 0.3650, 0.2241



30.0465, 0.3796, 0.2109



60.0168, 0.4167, 0.4446



14.5395, 0.3182, 0.3125



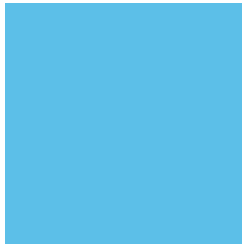
11.0370, 0.4116, 0.2041



0.8316, 0.3952, 0.1951

Previews

White Background



This preview shows how the Yxy color 45.3631, 0.2264, 0.2731 looks on a white background.

Color Contrast Check

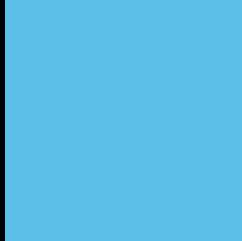
Large Text (above 18pt) WCAG AA × Fail

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 45.3631, 0.2264, 0.2731 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 45.3631, 0.2264, 0.2731

Background



This preview shows how black text looks on a background with the Yxy color 45.3631, 0.2264, 0.2731.



This preview shows how white text looks on a background with the Yxy color 45.3631, 0.2264, 0.2731.

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

45.3631, 0.2264, 0.2731

Protanopia

45.0430, 0.2722, 0.2721

Deuteranopia

45.0482, 0.2616, 0.2560



Tritanopia

45.5272, 0.2335, 0.3058

Trichromacy



Original Color

45.3631, 0.2264, 0.2731

Protanomaly

44.5223, 0.2514, 0.2712

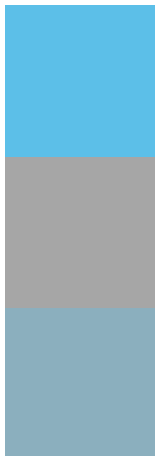
Deuteranomaly

44.3915, 0.2456, 0.2604

Tritanomaly

45.6765, 0.2309, 0.2937

Monochromacy



Original Color

45.3631, 0.2264, 0.2731

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.8666, 0.2720, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3631, 0.2264, 0.2731 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(92, 191, 232)` looks like.

```
.text, #text, p{  
    color:rgb(92, 191, 232)  
}
```

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(92, 191, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 191, 232) }
```

Border

The CSS property to change the border of an element to Yxy 45.3631, 0.2264, 0.2731 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(92, 191, 232) }
```

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

```
.border{ border-color:rgb(92, 191, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 191, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 191, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 191, 232);  
box-shadow:4px 4px 4px 4px rgb(92, 191,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3631, 0.2264, 0.2731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 191, 232) }
```

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

```
.background{ background-color: rgb(92, 191,  
232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor