

Converting Colors

$Yxy(42.2537, 0.2092, 0.2336)$

Have a look what the booklet for
Yxy(42.2537, 0.2092, 0.2336)
contains.

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Color

Yxy(42.2537, 0.2092, 0.2336)

Conversions

Conversions Part 1

Format	Color
Hex	4DB6FF
RGB	77, 182, 255
RGB Percent	30%, 71%, 100%
CMY	0.6981, 0.2863, 0.0000
CMYK	0.70, 0.29, 0.00, 0.00
HSL	205°, 100%, 65%
HSV	205°, 70%, 100%
XYZ	37.8402, 42.2537, 100.7867
YIQ	158.9270, -86.0130, 0.4430

Conversions

Conversions Part 2

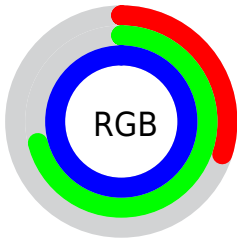
Format	Color
R_{YB}	77, 143, 255
Decimal	5093119
CIE _{Lab}	71.05, -7.37, -44.84
CIE _{LCh}	71, 45.438, 260.665
Yxy	42.2537, 0.2092, 0.2336
Android (android.graphics.Color)	4283283199 (0xFF4DB6FF)
YUV	158.9270, 47.3640, -71.8500
Hunter-Lab	65.0028, -9.8445, -46.4269

Details

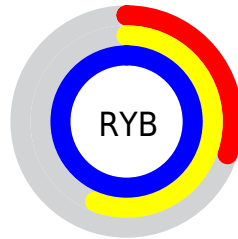
The Yxy color **42.2537, 0.2092, 0.2336** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **43.6067, 0.4875, 0.3975**, and the grayscale version is **34.4443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2984, 0.2503, 0.3093**, and **19.7777, 0.1917, 0.2101** is the 20% darker color. If you saturate the color by 10%, you get **37.2682, 0.1990, 0.2175**, and if you desaturate by 10%, it is **47.9746, 0.2214, 0.2497**.

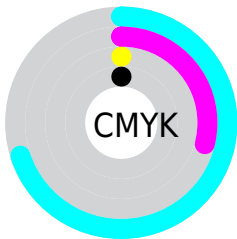
Distribution



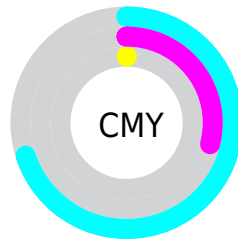
- Red (30%)
- Green (71%)
- Blue (100%)



- Red (30%)
- Yellow (56%)
- Blue (100%)



- Cyan (70%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2537, 0.2092, 0.2336 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 42.2537, 0.2092, 0.2336 by changing the saturation by 10% instead.


 42.2537, 0.2092,
0.2336

 42.2537, 0.2092,
0.2336


355.5335, 0.2589,
0.2804

 29.3000, 0.1977,
0.2225


 78.5834, 0.2266,
0.2502


 19.3079, 0.1836,
0.2088


 102.7283, 0.2334,
0.2566

 11.8930, 0.1660,
0.1913


 131.3723, 0.2391,
0.2620

 6.6708, 0.1435,
0.1687

 164.8998, 0.2442,
0.2667

 3.2571, 0.1147,
0.1390

203.6953, 0.2485,
0.2708

 1.2674, 0.0781,
0.1000

248.1432, 0.2524,

 0.1157, 0.0000,

0.2744

0.0204

298.6278, 0.2558,
0.2776

0.0000, 0.0000,
0.0000

42.2537, 0.2092,
0.2336

42.2537, 0.2092,
0.2336

37.2682, 0.1990,
0.2175

47.9746, 0.2214,
0.2497

32.9592, 0.1910,
0.2016

54.4808, 0.2352,
0.2653

29.2369, 0.1851,
0.1862

61.8170, 0.2501,
0.2802

29.1686, 0.1850,
0.1859

70.0234, 0.2657,
0.2941

79.1372, 0.2816,
0.3070

■ 89.1931, 0.2975,
0.3187

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



42.2537, 0.1971, 0.2635



42.2537, 0.2092, 0.2336



42.2537, 0.2461, 0.2284

Triad

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



42.2537, 0.2092, 0.2336



42.2537, 0.4248, 0.3239



42.2537, 0.3101, 0.4382

Complementary

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



42.2537, 0.2092, 0.2336



43.6067, 0.4875, 0.3975

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.



42.2537, 0.3731, 0.4475



42.2537, 0.2092, 0.2336



42.2537, 0.4435, 0.3737

Square

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



42.2537, 0.2092, 0.2336



42.2537, 0.3714, 0.2785



42.2537, 0.4228, 0.4196



42.2537, 0.2510, 0.3869

Rectangle

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



42.2537, 0.2092, 0.2336



42.2537, 0.2830, 0.2371



42.2537, 0.4228, 0.4196



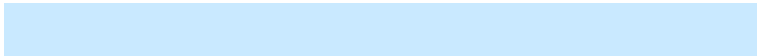
42.2537, 0.3315, 0.4463

Sweetspot

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



42.2537, 0.2092, 0.2336



78.0000, 0.2797, 0.3055



75.2419, 0.2766, 0.4711



16.1433, 0.2753, 0.3020



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.



42.2537, 0.2092, 0.2336



35.3824, 0.1954, 0.2107



16.9452, 0.1816, 0.1222



19.1591, 0.2979, 0.3190



15.5425, 0.1857, 0.1884



1.7285, 0.1906, 0.2060

Inverse Universe

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



29.9445, 0.4040, 0.2311



25.6279, 0.4313, 0.2255



82.4797, 0.4179, 0.4727



18.1669, 0.3201, 0.3151



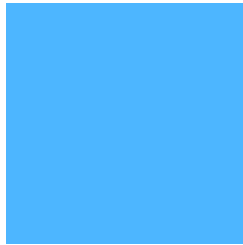
12.2970, 0.4586, 0.2300



1.2190, 0.4385, 0.2189

Previews

White Background



This preview shows how the Yxy color 42.2537, 0.2092, 0.2336 looks on a white background.

Color Contrast Check

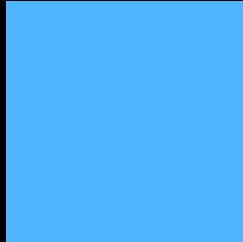
Large Text (above 18pt) WCAG AA × Fail

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 42.2537, 0.2092, 0.2336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

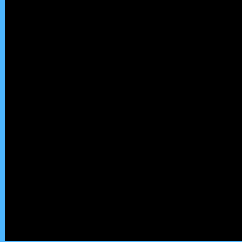
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

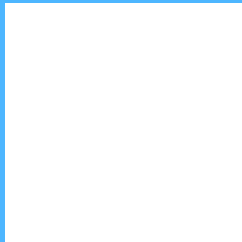
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2537, 0.2092, 0.2336

Background



This preview shows how black text looks on a background with the Yxy color 42.2537, 0.2092, 0.2336.

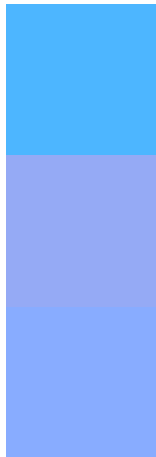


This preview shows how white text looks on a background with the Yxy color 42.2537, 0.2092, 0.2336.

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

42.2537, 0.2092, 0.2336

Protanopia

41.7316, 0.2442, 0.2356

Deuteranopia

41.9593, 0.2317, 0.2264



Tritanopia

42.2380, 0.2223, 0.3047

Trichromacy



Original Color

42.2537, 0.2092, 0.2336

Protanomaly

41.3226, 0.2280, 0.2332

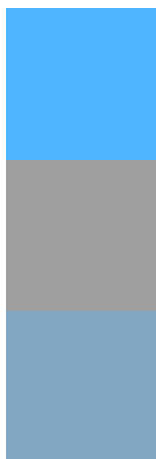
Deuteranomaly

41.9155, 0.2220, 0.2289

Tritanomaly

42.1325, 0.2168, 0.2772

Monochromacy



Original Color

42.2537, 0.2092, 0.2336

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.1996, 0.2606, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2537, 0.2092, 0.2336 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(77, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 182, 255)  
}
```

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(77, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 182, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.2537, 0.2092, 0.2336 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(77, 182, 255) }
```

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

```
.border{ border-color:rgb(77, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 182,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2537, 0.2092, 0.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 182, 255) }
```

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

```
.background{ background-color: rgb(77, 182,  
255) }
```

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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