

Converting Colors

$Yxy(44.5206, 0.2127, 0.2543)$

Have a look what the booklet for
Yxy(44.5206, 0.2127, 0.2543)
contains.

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Color

Yxy(44.6484, 0.2131, 0.2552)

Conversions

Conversions Part 1

Format	Color
Hex	44BEF5
RGB	68, 190, 245
RGB Percent	27%, 75%, 96%
CMY	0.7328, 0.2549, 0.0393
CMYK	0.72, 0.22, 0.00, 0.04
HSL	199°, 90%, 61%
HSV	199°, 72%, 96%
XYZ	37.2828, 44.6484, 93.0233
YIQ	159.7920, -90.3670, -8.7590

Conversions

Conversions Part 2

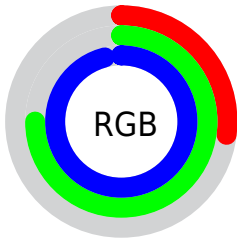
Format	Color
R _{YB}	68, 140, 245
Decimal	4505333
CIE Lab	72.66, -16.14, -36.91
CIE LCh	73, 40.290, 246.379
Yxy	44.6484, 0.2131, 0.2552
Android (android.graphics.Color)	4282695413 (0xFF44BEF5)
YUV	159.7920, 42.0075, -80.5016
Hunter-Lab	66.8195, -17.3376, -35.7675

Details

The Yxy color **44.6484, 0.2131, 0.2552** 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 **34.0247, 0.5119, 0.3803**, and the grayscale version is **34.9046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4499, 0.2490, 0.3185**, and **21.5222, 0.1995, 0.2383** is the 20% darker color. If you saturate the color by 10%, you get **40.7297, 0.2049, 0.2432**, and if you desaturate by 10%, it is **49.1106, 0.2233, 0.2671**.

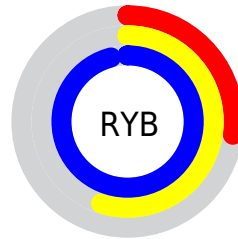
Distribution



Red (27%)

Green (75%)

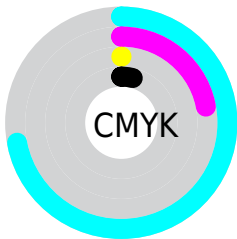
Blue (96%)



Red (27%)

Yellow (55%)

Blue (96%)

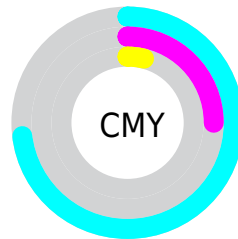


Cyan (72%)

Magenta (22%)

Yellow (0%)

Black (4%)



Cyan (73%)

Magenta (25%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6484, 0.2131, 0.2552 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 44.6484, 0.2131, 0.2552 by changing the saturation by 10% instead.

44.6484, 0.2131,
0.2552

44.6484, 0.2131,
0.2552

365.3477, 0.2607,
0.2923

31.1806, 0.2021,
0.2461

82.1925, 0.2298,
0.2686

20.7364, 0.1885,
0.2347

107.0377, 0.2362,
0.2737

12.9314, 0.1714,
0.2198

136.4440, 0.2418,
0.2780

7.3814, 0.1495,
0.2001

170.7959, 0.2466,
0.2816

3.7017, 0.1210,
0.1729

210.4779, 0.2508,
0.2848

1.5081, 0.0840,
0.1346

255.8742, 0.2545,

0.2945, 0.0000,

0.2876

0.0616

307.3694, 0.2578,
0.2901

■ 0.0000, 0.0000,
0.0000

■ 44.6484, 0.2131,
0.2552

■ 44.6484, 0.2131,
0.2552

■ 40.7297, 0.2049,
0.2432

■ 49.1106, 0.2233,
0.2671

■ 37.2980, 0.1987,
0.2314

■ 54.1550, 0.2353,
0.2787

■ 34.8963, 0.1951,
0.2222

■ 59.8210, 0.2487,
0.2899

■ 66.1426, 0.2632,
0.3004

■ 73.1510, 0.2783,
0.3102

■ 80.8748, 0.2938,
0.3192

■ 89.3411, 0.3093,
0.3273

■ 96.8038, 0.3188,
0.3347

■ 99.3714, 0.3185,
0.3386

Harmonies

Analogous

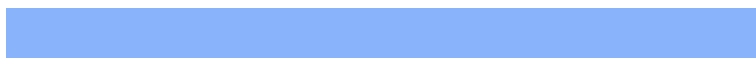
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.6484, 0.2135, 0.2931



44.6484, 0.2131, 0.2552



44.6484, 0.2359, 0.2397

Triad

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



44.6484, 0.2131, 0.2552



44.6484, 0.3910, 0.3051



44.6484, 0.3382, 0.4319

Complementary

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



44.6484, 0.2131, 0.2552



34.0247, 0.5119, 0.3803

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.



44.6484, 0.3895, 0.4246



44.6484, 0.2131, 0.2552



44.6484, 0.4232, 0.3487

Square

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



44.6484, 0.2131, 0.2552



44.6484, 0.3365, 0.2685



44.6484, 0.4218, 0.3920



44.6484, 0.2826, 0.4033

Rectangle

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



44.6484, 0.2131, 0.2552



44.6484, 0.2629, 0.2411



44.6484, 0.4218, 0.3920



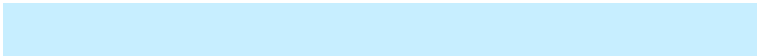
44.6484, 0.3566, 0.4332

Sweetspot

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



44.6500, 0.2131, 0.2552



80.2397, 0.2785, 0.3103



67.9125, 0.2839, 0.5007



16.7111, 0.2744, 0.3078



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.



44.6500, 0.2131, 0.2552



42.6720, 0.2015, 0.2373



17.6267, 0.1830, 0.1357



17.8376, 0.2980, 0.3215



19.0605, 0.1956, 0.2242



1.8578, 0.1997, 0.2389

Inverse Universe

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



27.2774, 0.3839, 0.2136



25.9021, 0.4041, 0.2066



65.7302, 0.4332, 0.4619



16.6754, 0.3186, 0.3128



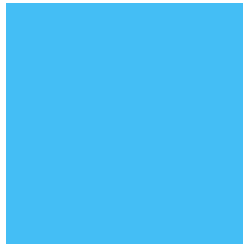
12.0235, 0.4188, 0.2081



1.0752, 0.4035, 0.1996

Previews

White Background



This preview shows how the Yxy color 44.6484, 0.2131, 0.2552 looks on a white background.

Color Contrast Check

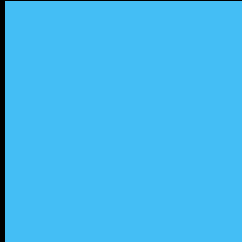
Large Text (above 18pt) WCAG AA × Fail

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 44.6484, 0.2131, 0.2552 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

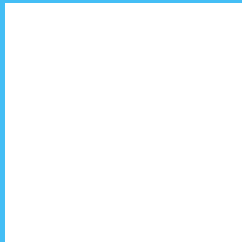
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6484, 0.2131, 0.2552

Background



This preview shows how black text looks on a background with the Yxy color 44.6484, 0.2131, 0.2552.

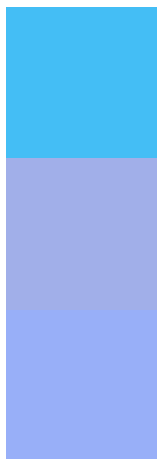


This preview shows how white text looks on a background with the Yxy color 44.6484, 0.2131, 0.2552.

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

44.6484, 0.2131, 0.2552

Protanopia

44.1202, 0.2599, 0.2564

Deuteranopia

44.1127, 0.2454, 0.2394



Tritanopia

44.7047, 0.2222, 0.3053

Trichromacy



Original Color

44.6484, 0.2131, 0.2552

Protanomaly

43.2690, 0.2374, 0.2546

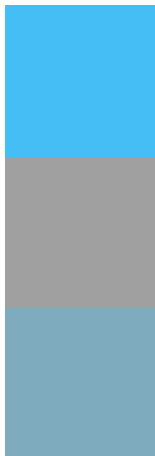
Deuteranomaly

43.4955, 0.2300, 0.2432

Tritanomaly

44.6692, 0.2185, 0.2861

Monochromacy



Original Color

44.6484, 0.2131, 0.2552

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.3994, 0.2620, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6484, 0.2131, 0.2552 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(68, 190, 245)` looks like.

```
.text, #text, p{  
    color:rgb(68, 190, 245)  
}
```

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(68, 190, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 190, 245) }
```

Border

The CSS property to change the border of an element to Yxy 44.6484, 0.2131, 0.2552 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(68, 190, 245) }
```

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

```
.border{ border-color:rgb(68, 190, 245) }
```

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

Here you see how a box with a 4 pixel rgb(68, 190, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 190, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 190, 245);  
box-shadow:4px 4px 4px 4px rgb(68, 190,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6484, 0.2131, 0.2552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 190, 245) }
```

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

```
.background{ background-color: rgb(68, 190,  
245) }
```

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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