

Converting Colors

$Y_{xy}(66.2213, 0.2436, 0.2934)$

Have a look what the booklet for
Yxy(66.2213, 0.2436, 0.2934)
contains.

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Color

Yxy(66.2213, 0.2436, 0.2934)

Conversions

Conversions Part 1

Format	Color
Hex	87E1FF
RGB	135, 225, 255
RGB Percent	53%, 88%, 100%
CMY	0.4701, 0.1177, 0.0000
CMYK	0.47, 0.12, 0.00, 0.00
HSL	195°, 100%, 76%
HSV	195°, 47%, 100%
XYZ	54.9813, 66.2213, 104.5006
YIQ	201.5100, -63.2700, -9.7500

Conversions

Conversions Part 2

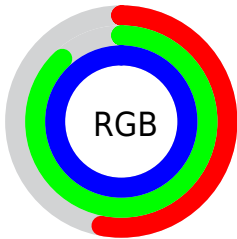
Format	Color
R_{YB}	135, 186, 255
Decimal	8905215
CIE _{Lab}	85.11, -19.21, -22.95
CIE _{LCh}	85, 29.929, 230.080
Yxy	66.2213, 0.2436, 0.2934
Android (android.graphics.Color)	4287095295 (0xFF87E1FF)
YUV	201.5100, 26.3706, -58.3293
Hunter-Lab	81.3765, -21.8069, -19.1744

Details

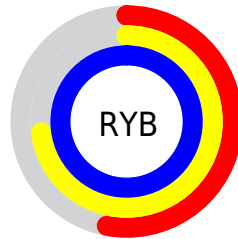
The Yxy color **66.2213, 0.2436, 0.2934** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.9695, 0.4265, 0.3606**, and the grayscale version is **58.6206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **34.3225, 0.2282, 0.2851** is the 20% darker color. If you saturate the color by 10%, you get **60.9656, 0.2316, 0.2844**, and if you desaturate by 10%, it is **72.1162, 0.2570, 0.3020**.

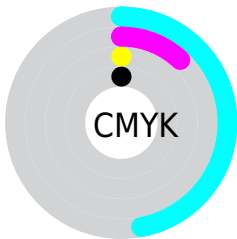
Distribution



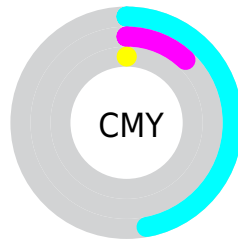
- Red (53%)
- Green (88%)
- Blue (100%)



- Red (53%)
- Yellow (73%)
- Blue (100%)



- Cyan (47%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2213, 0.2436, 0.2934 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 66.2213, 0.2436, 0.2934 by changing the saturation by 10% instead.


 66.2213, 0.2436,
0.2934


 66.2213, 0.2436,
0.2934


447.1679, 0.2752,
0.3107

 48.4521, 0.2365,
0.2893


 113.8039, 0.2544,
0.2996

 34.1850, 0.2279,
0.2841


 144.3861, 0.2587,
0.3019

 23.0358, 0.2171,
0.2774


180.0080, 0.2624,
0.3039

 14.6199, 0.2034,
0.2685

221.0541, 0.2656,
0.3057

 8.5531, 0.1852,
0.2562

267.9087, 0.2684,
0.3072

 4.4508, 0.1604,
0.2381

320.9563, 0.2709,

 1.9288, 0.1254,

0.3085

0.2097

380.5812, 0.2732,
0.3097

0.5656, 0.0198,
0.1626

0.0000, 0.0000,
0.0000

66.2213, 0.2436,
0.2934

66.2213, 0.2436,
0.2934

60.9656, 0.2316,
0.2844

72.1162, 0.2570,
0.3020

56.3058, 0.2214,
0.2751

78.6794, 0.2713,
0.3102

52.2003, 0.2130,
0.2656

85.9444, 0.2864,
0.3177

48.5989, 0.2067,
0.2561

93.9406, 0.3018,
0.3246

■ 45.4377, 0.2022,
0.2468

100.0000, 0.3127,
0.3290

■ 44.5506, 0.2011,
0.2441

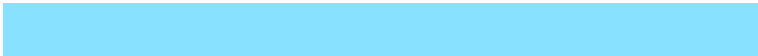
Harmonies

Analogous

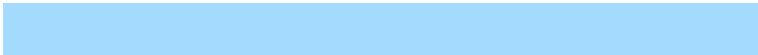
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.2213, 0.2534, 0.3256



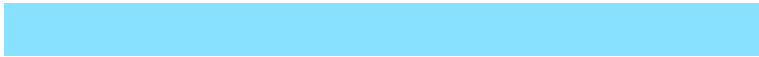
66.2213, 0.2436, 0.2934



66.2213, 0.2508, 0.2734

Triad

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



66.2213, 0.2436, 0.2934



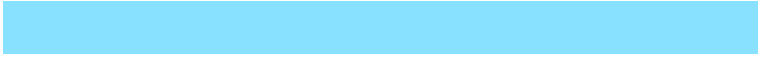
66.2213, 0.3458, 0.2990



66.2213, 0.3501, 0.3957

Complementary

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



66.2213, 0.2436, 0.2934



49.9695, 0.4265, 0.3606

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.



66.2213, 0.3774, 0.3833



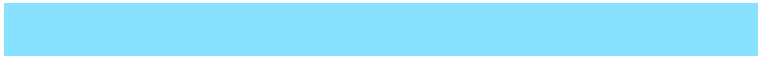
66.2213, 0.2436, 0.2934



66.2213, 0.3754, 0.3274

Square

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



66.2213, 0.2436, 0.2934



66.2213, 0.3081, 0.2779



66.2213, 0.3871, 0.3578



66.2213, 0.3138, 0.3883

Rectangle

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



66.2213, 0.2436, 0.2934



66.2213, 0.2645, 0.2685



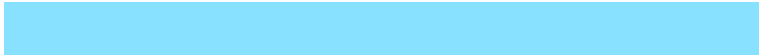
66.2213, 0.3871, 0.3578



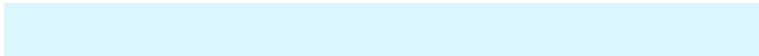
66.2213, 0.3607, 0.3935

Sweetspot

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



66.2231, 0.2436, 0.2934



88.2760, 0.2910, 0.3198



79.4002, 0.2918, 0.4407



18.5359, 0.2877, 0.3183



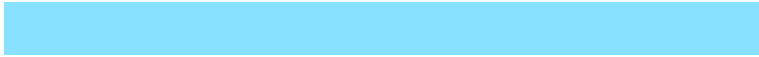
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



66.2231, 0.2436, 0.2934



61.4707, 0.2328, 0.2853



39.3218, 0.2296, 0.2174



19.6659, 0.2980, 0.3229



23.5284, 0.2016, 0.2456



2.4641, 0.2045, 0.2562

Inverse Universe

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



44.0555, 0.3453, 0.2395



38.0201, 0.3537, 0.2246



76.8785, 0.3956, 0.4192



18.2181, 0.3177, 0.3114



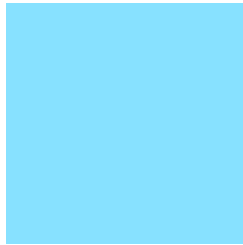
13.1032, 0.3966, 0.1959



1.2933, 0.3861, 0.1900

Previews

White Background



This preview shows how the Yxy color 66.2213, 0.2436, 0.2934 looks on a white background.

Color Contrast Check

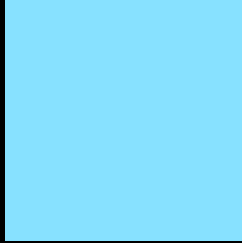
Large Text (above 18pt) WCAG AA × Fail

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 66.2213, 0.2436, 0.2934 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 66.2213, 0.2436, 0.2934

Background



This preview shows how black text looks on a background with the Yxy color 66.2213, 0.2436, 0.2934.

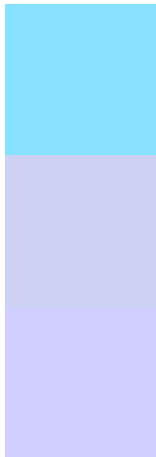


This preview shows how white text looks on a background with the Yxy color 66.2213, 0.2436, 0.2934.

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

66.2213, 0.2436, 0.2934

Protanopia

65.6649, 0.2863, 0.2905

Deuteranopia

65.4010, 0.2827, 0.2774



Tritanopia

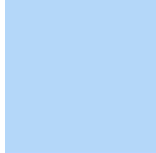
66.4363, 0.2472, 0.3072

Trichromacy



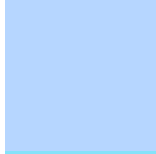
Original Color

66.2213, 0.2436, 0.2934



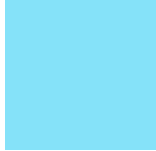
Protanomaly

65.1437, 0.2684, 0.2903



Deuteranomaly

65.2582, 0.2662, 0.2830



Tritanomaly

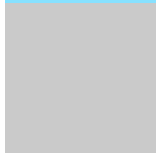
66.2188, 0.2456, 0.3013

Monochromacy



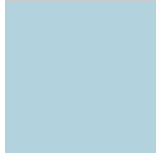
Original Color

66.2213, 0.2436, 0.2934



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

60.7786, 0.2829, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2213, 0.2436, 0.2934 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(135, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 225, 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(135, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 66.2213, 0.2436, 0.2934 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(135, 225, 255) }
```

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

```
.border{ border-color:rgb(135, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2213, 0.2436, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 225, 255) }
```

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

```
.background{ background-color: rgb(135,  
225, 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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