

Converting Colors

$Yxy(65.9337, 0.2314, 0.2662)$

Have a look what the booklet for
Yxy(65.9337, 0.2314, 0.2662)
contains.

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Color

Yxy(64.2084, 0.2407, 0.2895)

Conversions

Conversions Part 1

Format	Color
Hex	82DEFF
RGB	130, 222, 255
RGB Percent	51%, 87%, 100%
CMY	0.4900, 0.1294, 0.0000
CMYK	0.49, 0.13, 0.00, 0.00
HSL	196°, 100%, 76%
HSV	196°, 49%, 100%
XYZ	53.3850, 64.2084, 104.1973
YIQ	198.2540, -65.4250, -9.2410

Conversions

Conversions Part 2

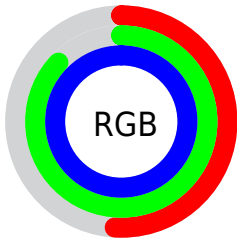
Format	Color
RYB	130, 183, 255
Decimal	8576767
CIELab	84.07, -18.82, -24.55
CIELCh	84, 30.929, 232.528
Yxy	64.2084, 0.2407, 0.2895
Android (android.graphics.Color)	4286766847 (0xFF82DEFF)
YUV	198.2540, 27.9758, -59.8588
Hunter-Lab	80.1301, -21.3059, -21.0067

Details

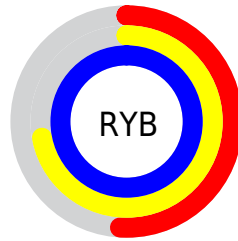
The Yxy color **64.2084, 0.2407, 0.2895** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.0916, 0.4324, 0.3636**, and the grayscale version is **56.4998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **32.9799, 0.2246, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **58.9288, 0.2289, 0.2799**, and if you desaturate by 10%, it is **70.1338, 0.2540, 0.2988**.

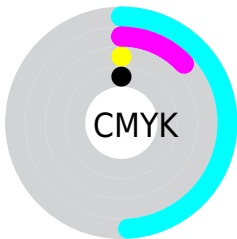
Distribution



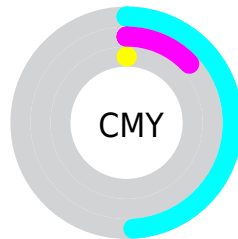
- Red (51%)
- Green (87%)
- Blue (100%)



- Red (51%)
- Yellow (72%)
- Blue (100%)



- Cyan (49%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (49%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2084, 0.2407, 0.2895 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 64.2084, 0.2407, 0.2895 by changing the saturation by 10% instead.


 64.2084, 0.2407,
0.2895


 64.2084, 0.2407,
0.2895


439.9418, 0.2737,
0.3088


 46.8195, 0.2333,
0.2849


 110.9110, 0.2521,
0.2963

 32.8930, 0.2242,
0.2791


 140.9935, 0.2565,
0.2990

 22.0445, 0.2129,
0.2717


 176.0760, 0.2603,
0.3012

 13.8896, 0.1985,
0.2619

216.5428, 0.2637,
0.3031

 8.0439, 0.1794,
0.2482

262.7784, 0.2666,
0.3048

 4.1231, 0.1534,
0.2282

315.1672, 0.2693,

 1.7426, 0.1170,

0.3063

0.1970

374.0935, 0.2716,
0.3076

■ 0.4510, 0.0000,
0.1380

■ 0.0000, 0.0000,
0.0000

■ 64.2084, 0.2407,
0.2895

■ 64.2084, 0.2407,
0.2895

■ 58.9288, 0.2289,
0.2799

■ 70.1338, 0.2540,
0.2988

■ 54.2510, 0.2187,
0.2699

■ 76.7356, 0.2683,
0.3074

■ 50.1321, 0.2106,
0.2599

■ 84.0478, 0.2833,
0.3155

■ 46.5194, 0.2044,
0.2499

■ 92.1004, 0.2988,
0.3229

■ 43.3361, 0.2001,
0.2400

100.0000, 0.3127,
0.3290

■ 43.0305, 0.1997,
0.2391

Harmonies

Analogous

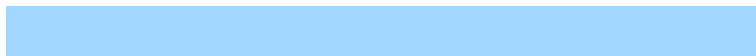
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.2084, 0.2494, 0.3223



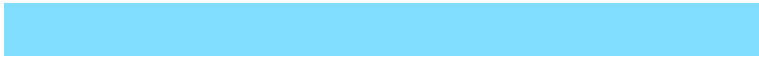
64.2084, 0.2407, 0.2895



64.2084, 0.2496, 0.2701

Triad

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



64.2084, 0.2407, 0.2895



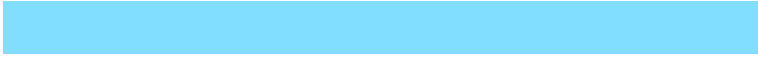
64.2084, 0.3502, 0.2999



64.2084, 0.3488, 0.3989

Complementary

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



64.2084, 0.2407, 0.2895



49.0916, 0.4324, 0.3636

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.



64.2084, 0.3784, 0.3872



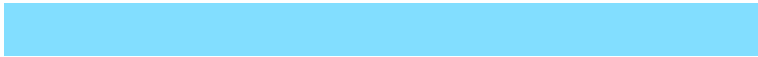
64.2084, 0.2407, 0.2895



64.2084, 0.3800, 0.3299

Square

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



64.2084, 0.2407, 0.2895



64.2084, 0.3111, 0.2772



64.2084, 0.3904, 0.3613



64.2084, 0.3105, 0.3895

Rectangle

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



64.2084, 0.2407, 0.2895



64.2084, 0.2646, 0.2658



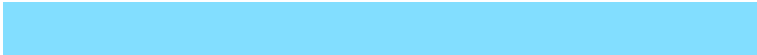
64.2084, 0.3904, 0.3613



64.2084, 0.3601, 0.3971

Sweetspot

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



64.2100, 0.2407, 0.2895



87.1748, 0.2895, 0.3186



78.8543, 0.2912, 0.4464



18.3027, 0.2862, 0.3170



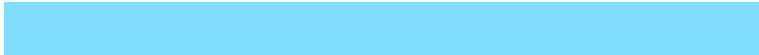
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



64.2100, 0.2407, 0.2895



58.9266, 0.2289, 0.2799



37.5640, 0.2259, 0.2118



19.6216, 0.2980, 0.3226



22.7416, 0.2002, 0.2407



2.3931, 0.2033, 0.2520

Inverse Universe

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



42.5152, 0.3488, 0.2376



36.1911, 0.3590, 0.2219



76.0586, 0.3993, 0.4226



18.2136, 0.3179, 0.3117



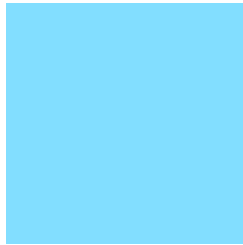
13.0237, 0.4016, 0.1986



1.2861, 0.3903, 0.1924

Previews

White Background



This preview shows how the Yxy color 64.2084, 0.2407, 0.2895 looks on a white background.

Color Contrast Check

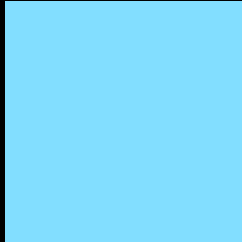
Large Text (above 18pt) WCAG AA × Fail

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 64.2084, 0.2407, 0.2895 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 64.2084, 0.2407, 0.2895

Background



This preview shows how black text looks on a background with the Yxy color 64.2084, 0.2407, 0.2895.

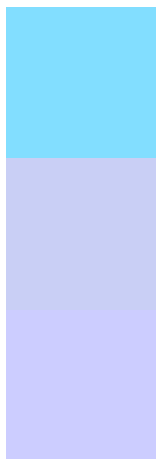


This preview shows how white text looks on a background with the Yxy color 64.2084, 0.2407, 0.2895.

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

64.2084, 0.2407, 0.2895

Protanopia

63.6357, 0.2834, 0.2868

Deuteranopia

63.7200, 0.2792, 0.2747



Tritanopia

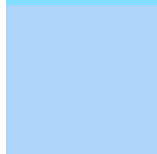
64.1577, 0.2452, 0.3068

Trichromacy



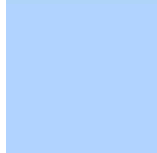
Original Color

64.2084, 0.2407, 0.2895



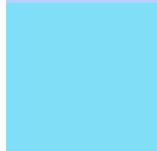
Protanomaly

63.0405, 0.2650, 0.2864



Deuteranomaly

63.1556, 0.2628, 0.2791



Tritanomaly

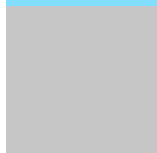
64.0028, 0.2432, 0.2997

Monochromacy



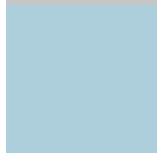
Original Color

64.2084, 0.2407, 0.2895



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.6244, 0.2806, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2084, 0.2407, 0.2895 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(130, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 222, 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(130, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 222, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.2084, 0.2407, 0.2895 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(130, 222, 255) }
```

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

```
.border{ border-color:rgb(130, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(130, 222, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(130, 222, 255); box-shadow:4px 4px 4px 4px rgb(130, 222, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2084, 0.2407, 0.2895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 222, 255) }
```

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

```
.background{ background-color: rgb(130,  
222, 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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