

Converting Colors

$Y_{xy}(62.0710, 0.2452, 0.2926)$

Have a look what the booklet for
Yxy(62.0710, 0.2452, 0.2926)
contains.

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Color

Yxy(62.0710, 0.2452, 0.2926)

Conversions

Conversions Part 1

Format	Color
Hex	87DAF8
RGB	135, 218, 248
RGB Percent	53%, 85%, 97%
CMY	0.4703, 0.1451, 0.0274
CMYK	0.46, 0.12, 0.00, 0.03
HSL	196°, 89%, 75%
HSV	196°, 46%, 97%
XYZ	52.0158, 62.0710, 98.0493
YIQ	196.6030, -59.0980, -8.2660

Conversions

Conversions Part 2

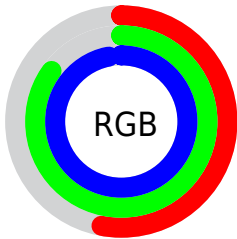
Format	Color
RYB	135, 183, 248
Decimal	8903416
CIELab	82.95, -17.53, -22.53
CIElCh	83, 28.547, 232.107
Yxy	62.0710, 0.2452, 0.2926
Android (android.graphics.Color)	4287093496 (0xFF87DAF8)
YUV	196.6030, 25.3387, -54.0258
Hunter-Lab	78.7852, -20.0242, -18.6377

Details

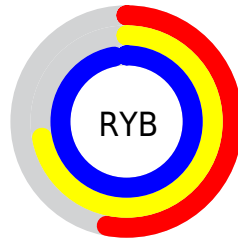
The Yxy color **62.0710, 0.2452, 0.2926** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.6530, 0.4203, 0.3615**, and the grayscale version is **55.4660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **31.5367, 0.2290, 0.2822** is the 20% darker color. If you saturate the color by 10%, you get **56.8979, 0.2328, 0.2830**, and if you desaturate by 10%, it is **67.8640, 0.2589, 0.3017**.

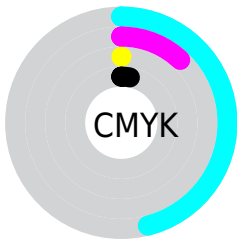
Distribution



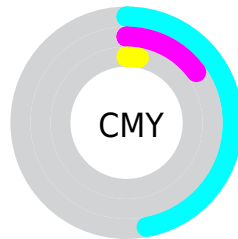
- Red (53%)
- Green (85%)
- Blue (97%)



- Red (53%)
- Yellow (72%)
- Blue (97%)



- Cyan (46%)
- Magenta (12%)
- Yellow (0%)
- Black (3%)





- Cyan (47%)
- Magenta (15%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.0710, 0.2452, 0.2926 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 62.0710, 0.2452, 0.2926 by changing the saturation by 10% instead.


 62.0710, 0.2452,
0.2926


 62.0710, 0.2452,
0.2926


432.1900, 0.2764,
0.3105


 45.0901, 0.2381,
0.2883


 107.8281, 0.2560,
0.2990

 31.5284, 0.2294,
0.2829


 137.3731, 0.2602,
0.3014

 21.0015, 0.2185,
0.2759


 171.8750, 0.2638,
0.3035

 13.1251, 0.2044,
0.2665

211.7180, 0.2670,
0.3053

 7.5148, 0.1856,
0.2534

257.2866, 0.2698,
0.3068

 3.7861, 0.1597,
0.2339

308.9652, 0.2723,

 1.5546, 0.1224,

0.3082

367.1382, 0.2745,
0.3094

0.2028

0.3267, 0.0000,
0.1249

0.0000, 0.0000,
0.0000

62.0710, 0.2452,
0.2926

62.0710, 0.2452,
0.2926

56.8979, 0.2328,
0.2830

67.8640, 0.2589,
0.3017

52.3022, 0.2220,
0.2731

74.3018, 0.2735,
0.3102

48.2467, 0.2132,
0.2631

81.4162, 0.2887,
0.3181

44.6851, 0.2063,
0.2530

89.2346, 0.3041,
0.3253

■ 41.5610, 0.2014,
0.2430

■ 97.0003, 0.3170,
0.3318

■ 40.2699, 0.1996,
0.2386

■ 99.5576, 0.3168,
0.3357

Harmonies

Analogous

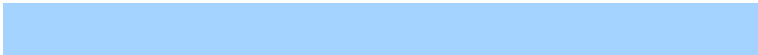
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.0710, 0.2537, 0.3234



62.0710, 0.2452, 0.2926



62.0710, 0.2533, 0.2740

Triad

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



62.0710, 0.2452, 0.2926



62.0710, 0.3473, 0.3014



62.0710, 0.3470, 0.3941

Complementary

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



62.0710, 0.2452, 0.2926



48.6530, 0.4203, 0.3615

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.



62.0710, 0.3744, 0.3833



62.0710, 0.2452, 0.2926



62.0710, 0.3752, 0.3296

Square

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



62.0710, 0.2452, 0.2926



62.0710, 0.3107, 0.2802



62.0710, 0.3852, 0.3591



62.0710, 0.3113, 0.3855

Rectangle

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



62.0710, 0.2452, 0.2926



62.0710, 0.2674, 0.2698



62.0710, 0.3852, 0.3591



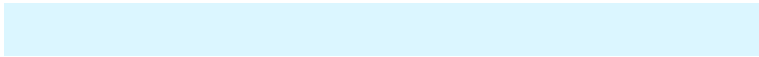
62.0710, 0.3575, 0.3925

Sweetspot

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



62.0734, 0.2452, 0.2926



87.9414, 0.2910, 0.3193



74.9509, 0.2923, 0.4363



18.4539, 0.2877, 0.3176



0.0000, 0.0000, 0.0000



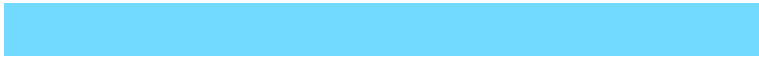
21.4041, 0.3127, 0.3290

Same Dimension

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



62.0734, 0.2452, 0.2926



60.8474, 0.2333, 0.2835



38.2402, 0.2326, 0.2218



18.7822, 0.2980, 0.3225



21.9952, 0.2001, 0.2402



2.2108, 0.2034, 0.2521

Inverse Universe

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



42.3691, 0.3456, 0.2439



38.5120, 0.3550, 0.2280



72.7766, 0.3926, 0.4164



17.4412, 0.3179, 0.3117



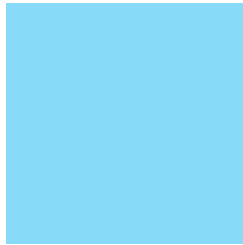
12.6313, 0.4021, 0.1989



1.1874, 0.3902, 0.1923

Previews

White Background



This preview shows how the Yxy color 62.0710, 0.2452, 0.2926 looks on a white background.

Color Contrast Check

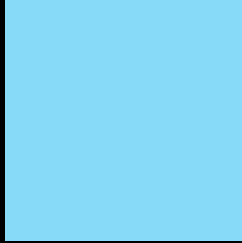
Large Text (above 18pt) WCAG AA × Fail

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 62.0710, 0.2452, 0.2926 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 62.0710, 0.2452, 0.2926

Background



This preview shows how black text looks on a background with the Yxy color 62.0710, 0.2452, 0.2926.

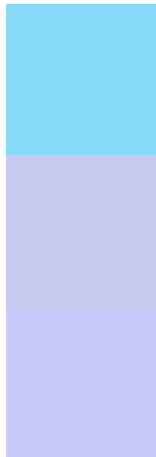


This preview shows how white text looks on a background with the Yxy color 62.0710, 0.2452, 0.2926.

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

62.0710, 0.2452, 0.2926

Protanopia

61.5598, 0.2856, 0.2895

Deuteranopia

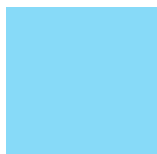
61.3581, 0.2794, 0.2729



Tritanopia

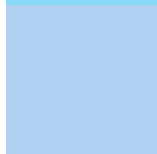
62.2064, 0.2494, 0.3078

Trichromacy



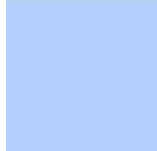
Original Color

62.0710, 0.2452, 0.2926



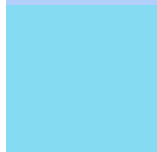
Protanomaly

61.2418, 0.2691, 0.2905



Deuteranomaly

61.0557, 0.2651, 0.2786



Tritanomaly

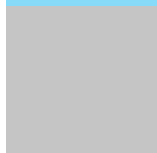
62.0005, 0.2477, 0.3019

Monochromacy



Original Color

62.0710, 0.2452, 0.2926



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

57.6192, 0.2829, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.0710, 0.2452, 0.2926 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, 218, 248)` looks like.

```
.text, #text, p{  
    color:rgb(135, 218, 248)  
}
```

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, 218, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 218, 248) }
```

Border

The CSS property to change the border of an element to Yxy 62.0710, 0.2452, 0.2926 is called "border". The border property can be set on classes, ids or directly on the HTML element.

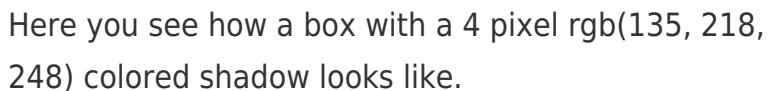
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 218, 248) }
```

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

```
.border{ border-color:rgb(135, 218, 248) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 218, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 218, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 218, 248); box-shadow:4px 4px 4px 4px rgb(135, 218, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 62.0710, 0.2452, 0.2926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 218, 248) }
```

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

```
.background{ background-color: rgb(135,  
218, 248) }
```

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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