

Converting Colors

$Y_{xy}(69.7208, 0.2107, 0.2232)$

Have a look what the booklet for
Yxy(69.7208, 0.2107, 0.2232)
contains.

Yxy(64.3132, 0.2359, 0.2915)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.3132, 0.2359, 0.2915)

Conversions

Conversions Part 1

Format	Color
Hex	75E0FF
RGB	117, 224, 255
RGB Percent	46%, 88%, 100%
CMY	0.5409, 0.1216, 0.0000
CMYK	0.54, 0.12, 0.00, 0.00
HSL	193°, 100%, 73%
HSV	193°, 54%, 100%
XYZ	52.0463, 64.3132, 104.2690
YIQ	195.5410, -73.7230, -13.0430

Conversions

Conversions Part 2

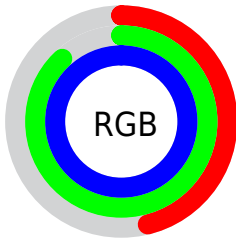
Format	Color
RYB	117, 177, 255
Decimal	7725311
CIELab	84.13, -22.53, -24.50
CIElCh	84, 33.282, 227.399
Yxy	64.3132, 0.2359, 0.2915
Android (android.graphics.Color)	4285915391 (0xFF75E0FF)
YUV	195.5410, 29.3133, -68.8805
Hunter-Lab	80.1955, -24.4970, -20.9511

Details

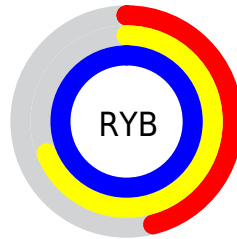
The Yxy color **64.3132, 0.2359, 0.2915** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.7425, 0.4543, 0.3610**, and the grayscale version is **54.7776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **33.1061, 0.2188, 0.2824** is the 20% darker color. If you saturate the color by 10%, you get **59.7539, 0.2255, 0.2833**, and if you desaturate by 10%, it is **69.4621, 0.2480, 0.2995**.

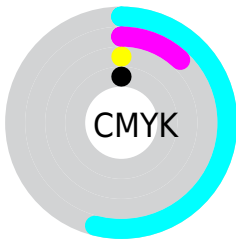
Distribution



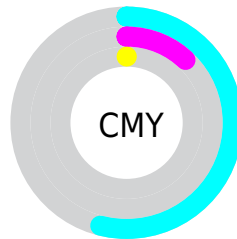
- Red (46%)
- Green (88%)
- Blue (100%)



- Red (46%)
- Yellow (69%)
- Blue (100%)



- Cyan (54%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3132, 0.2359, 0.2915 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 64.3132, 0.2359, 0.2915 by changing the saturation by 10% instead.


 64.3132, 0.2359,
0.2915


 64.3132, 0.2359,
0.2915


440.3198, 0.2710,
0.3100


 46.9044, 0.2281,
0.2870


 111.0619, 0.2479,
0.2981

 32.9601, 0.2185,
0.2814


 141.1705, 0.2527,
0.3006

 22.0959, 0.2066,
0.2742


 176.2813, 0.2568,
0.3028

 13.9274, 0.1914,
0.2645

216.7784, 0.2603,
0.3046

 8.0702, 0.1714,
0.2509

263.0465, 0.2635,
0.3062

 4.1399, 0.1445,
0.2310

315.4698, 0.2663,

 1.7521, 0.1072,

0.3076

0.1997

374.4328, 0.2688,
0.3089

■ 0.4571, 0.0000,
0.1393

■ 0.0000, 0.0000,
0.0000

■ 64.3132, 0.2359,
0.2915

■ 64.3132, 0.2359,
0.2915

■ 59.7539, 0.2255,
0.2833

■ 69.4621, 0.2480,
0.2995

■ 55.7360, 0.2169,
0.2749

■ 75.2299, 0.2614,
0.3070

■ 52.2143, 0.2103,
0.2665

■ 81.6523, 0.2758,
0.3141

■ 49.1309, 0.2057,
0.2582

■ 88.7598, 0.2909,
0.3207

■ 47.4664, 0.2037,
0.2533

■ 96.5808, 0.3064,
0.3267

99.9994, 0.3127,
0.3290

Harmonies

Analogous

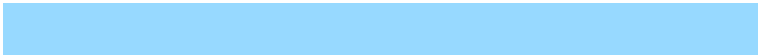
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.3132, 0.2483, 0.3285



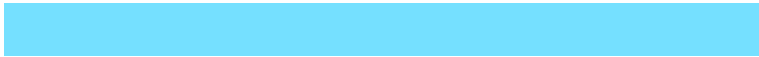
64.3132, 0.2359, 0.2915



64.3132, 0.2422, 0.2681

Triad

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



64.3132, 0.2359, 0.2915



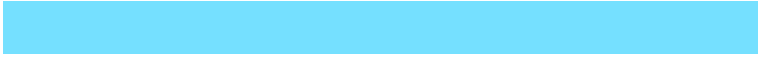
64.3132, 0.3461, 0.2929



64.3132, 0.3577, 0.4036

Complementary

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



64.3132, 0.2359, 0.2915



43.7425, 0.4543, 0.3610

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.



64.3132, 0.3870, 0.3873



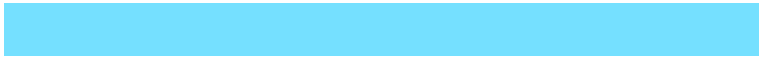
64.3132, 0.2359, 0.2915



64.3132, 0.3810, 0.3239

Square

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



64.3132, 0.2359, 0.2915



64.3132, 0.3036, 0.2706



64.3132, 0.3961, 0.3578



64.3132, 0.3174, 0.3979

Rectangle

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



64.3132, 0.2359, 0.2915



64.3132, 0.2563, 0.2618



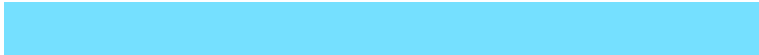
64.3132, 0.3961, 0.3578



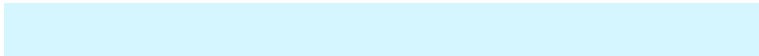
64.3132, 0.3692, 0.4002

Sweetspot

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



64.3156, 0.2359, 0.2915



87.3555, 0.2880, 0.3195



77.4053, 0.2918, 0.4670



18.3781, 0.2849, 0.3182



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.



64.3156, 0.2359, 0.2915



59.3715, 0.2246, 0.2825



34.8313, 0.2175, 0.2031



19.7483, 0.2980, 0.3235



25.0384, 0.2041, 0.2547



2.5996, 0.2067, 0.2641

Inverse Universe

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



39.3778, 0.3482, 0.2246



33.4955, 0.3579, 0.2086



71.6106, 0.4115, 0.4272



18.2264, 0.3173, 0.3108



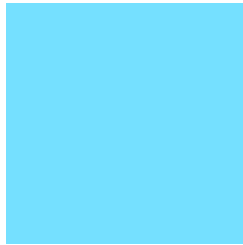
13.2556, 0.3876, 0.1909



1.3070, 0.3784, 0.1858

Previews

White Background



This preview shows how the Yxy color 64.3132, 0.2359, 0.2915 looks on a white background.

Color Contrast Check

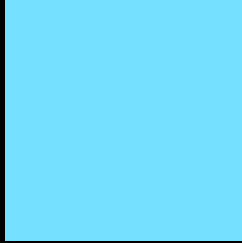
Large Text (above 18pt) WCAG AA × Fail

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 64.3132, 0.2359, 0.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

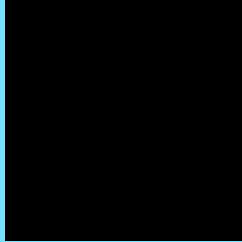
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.3132, 0.2359, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 64.3132, 0.2359, 0.2915.

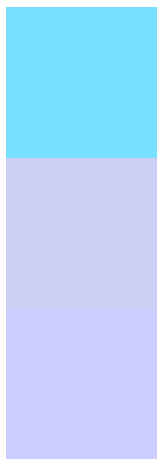


This preview shows how white text looks on a background with the Yxy color 64.3132, 0.2359, 0.2915.

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

64.3132, 0.2359, 0.2915

Protanopia

63.6533, 0.2853, 0.2890

Deuteranopia

63.7200, 0.2792, 0.2747



Tritanopia

64.4351, 0.2395, 0.3066

Trichromacy



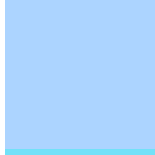
Original Color

64.3132, 0.2359, 0.2915



Protanomaly

62.9618, 0.2638, 0.2895



Deuteranomaly

63.0776, 0.2600, 0.2799



Tritanomaly

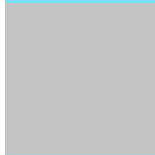
64.2051, 0.2379, 0.3007

Monochromacy



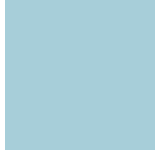
Original Color

64.3132, 0.2359, 0.2915



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.3679, 0.2777, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3132, 0.2359, 0.2915 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(117, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 224, 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(117, 224, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 224, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.3132, 0.2359, 0.2915 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(117, 224, 255) }
```

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

```
.border{ border-color:rgb(117, 224, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 224, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 224, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 224, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 224,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3132, 0.2359, 0.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 224, 255) }
```

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

```
.background{ background-color: rgb(117,  
224, 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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