

Converting Colors

Yxy(64.4184, 0.2418, 0.3088)

Have a look what the booklet for
Yxy(64.4184, 0.2418, 0.3088)
contains.

Yxy(64.5854, 0.2420, 0.3091)	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(64.5854, 0.2420, 0.3091)

Conversions

Conversions Part 1

Format	Color
Hex	75E2F2
RGB	117, 226, 242
RGB Percent	46%, 89%, 95%
CMY	0.5409, 0.1137, 0.0510
CMYK	0.52, 0.07, 0.00, 0.05
HSL	188°, 83%, 70%
HSV	188°, 52%, 95%
XYZ	50.5651, 64.5854, 93.7961
YIQ	195.2330, -70.1000, -18.1320

Conversions

Conversions Part 2

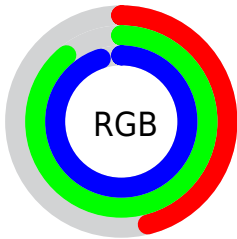
Format	Color
R_{YB}	117, 175, 242
Decimal	7725810
CIE _{Lab}	84.27, -27.05, -17.42
CIE _{LCh}	84, 32.178, 212.778
Yxy	64.5854, 0.2420, 0.3091
Android (android.graphics.Color)	4285915890 (0xFF75E2F2)
YUV	195.2330, 23.0561, -68.6103
Hunter-Lab	80.3650, -28.3280, -12.9434

Details

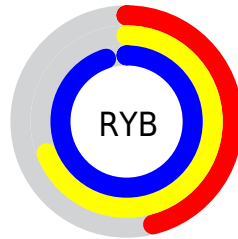
The Yxy color **64.5854, 0.2420, 0.3091** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.9558, 0.4523, 0.3466**, and the grayscale version is **54.6222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **32.9984, 0.2254, 0.3024** is the 20% darker color. If you saturate the color by 10%, you get **61.4515, 0.2324, 0.3046**, and if you desaturate by 10%, it is **68.1879, 0.2533, 0.3134**.

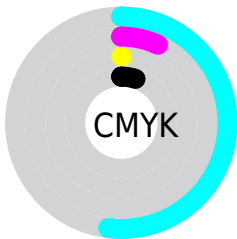
Distribution



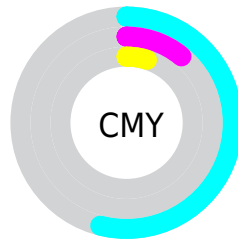
- Red (46%)
- Green (89%)
- Blue (95%)



- Red (46%)
- Yellow (69%)
- Blue (95%)



- Cyan (52%)
- Magenta (7%)
- Yellow (0%)
- Black (5%)



- Cyan (54%)
- Magenta (11%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5854, 0.2420, 0.3091 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 64.5854, 0.2420, 0.3091 by changing the saturation by 10% instead.


 64.5854, 0.2420,
0.3091


 64.5854, 0.2420,
0.3091

441.3006, 0.2745,
0.3194

 47.1250, 0.2347,
0.3065

 111.4536, 0.2532,
0.3129

 33.1345, 0.2257,
0.3032


 141.6301, 0.2576,
0.3143

 22.2295, 0.2145,
0.2988


 176.8142, 0.2614,
0.3155

 14.0256, 0.2000,
0.2927

217.3901, 0.2647,
0.3165

 8.1385, 0.1808,
0.2838

263.7423, 0.2676,
0.3173

 4.1837, 0.1544,
0.2701

316.2552, 0.2701,

 1.7768, 0.1167,

0.3181

0.2465

375.3131, 0.2724,
0.3188

0.4727, 0.0000,
0.1947

0.0000, 0.0000,
0.0000

64.5854, 0.2420,
0.3091

64.5854, 0.2420,
0.3091

61.4515, 0.2324,
0.3046

68.1879, 0.2533,
0.3134

58.7447, 0.2248,
0.3001


72.2822, 0.2661,
0.3176


56.4279, 0.2190,
0.2955

76.8988, 0.2800,
0.3215


54.4540, 0.2152,
0.2910

82.0632, 0.2948,
0.3252


 53.0015, 0.2131,
0.2873

 87.7994, 0.3102,
0.3285

 92.7249, 0.3211,
0.3315

 94.6112, 0.3208,
0.3345

 96.5290, 0.3206,
0.3375

 98.4785, 0.3204,
0.3404

Harmonies

Analogous

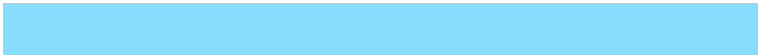
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.5854, 0.2624, 0.3481



64.5854, 0.2420, 0.3091



64.5854, 0.2392, 0.2793

Triad

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



64.5854, 0.2420, 0.3091



64.5854, 0.3251, 0.2822



64.5854, 0.3720, 0.3956

Complementary

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



64.5854, 0.2420, 0.3091



36.9558, 0.4523, 0.3466

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.



64.5854, 0.3916, 0.3726



64.5854, 0.2420, 0.3091



64.5854, 0.3640, 0.3088

Square

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



64.5854, 0.2420, 0.3091



64.5854, 0.2850, 0.2664



64.5854, 0.3889, 0.3411



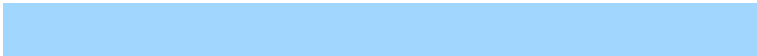
64.5854, 0.3369, 0.4010

Rectangle

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



64.5854, 0.2420, 0.3091



64.5854, 0.2474, 0.2678



64.5854, 0.3889, 0.3411



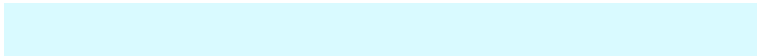
64.5854, 0.3807, 0.3895

Sweetspot

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



64.5879, 0.2420, 0.3091



90.3684, 0.2897, 0.3239



68.9416, 0.2984, 0.4758



19.0779, 0.2865, 0.3232



0.0000, 0.0000, 0.0000



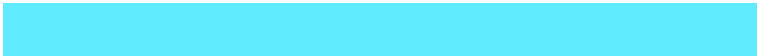
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5879, 0.2420, 0.3091



69.0336, 0.2320, 0.3044



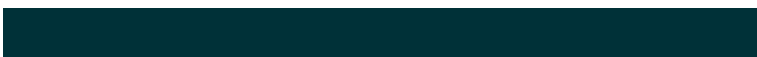
37.0932, 0.2257, 0.2274



17.5634, 0.2981, 0.3259



28.6175, 0.2134, 0.2881



2.4762, 0.2150, 0.2939

Inverse Universe

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



37.1066, 0.3337, 0.2184



35.7751, 0.3390, 0.2006



58.7924, 0.4135, 0.4111



15.9945, 0.3158, 0.3087



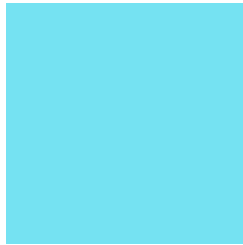
12.6823, 0.3561, 0.1735



1.0647, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 64.5854, 0.2420, 0.3091 looks on a white background.

Color Contrast Check

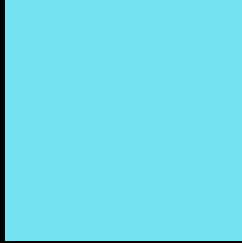
Large Text (above 18pt) WCAG AA × Fail

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 64.5854, 0.2420, 0.3091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

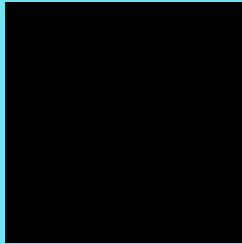
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5854, 0.2420, 0.3091

Background



This preview shows how black text looks on a background with the Yxy color 64.5854, 0.2420, 0.3091.

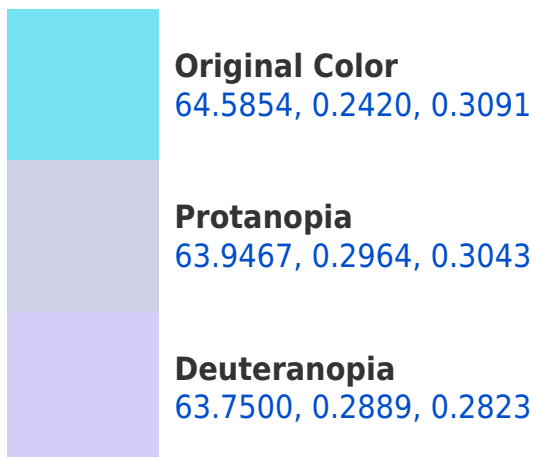


This preview shows how white text looks on a background with the Yxy color 64.5854, 0.2420, 0.3091.

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





Tritanopia

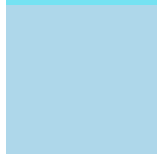
64.7759, 0.2415, 0.3067

Trichromacy



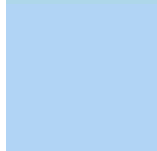
Original Color

64.5854, 0.2420, 0.3091



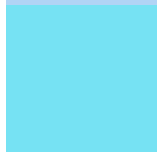
Protanomaly

63.5401, 0.2731, 0.3066



Deuteranomaly

63.0267, 0.2684, 0.2909



Tritanomaly

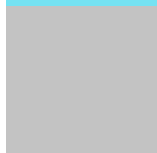
64.7153, 0.2419, 0.3079

Monochromacy



Original Color

64.5854, 0.2420, 0.3091



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.1116, 0.2808, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5854, 0.2420, 0.3091 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, 226, 242)` looks like.

```
.text, #text, p{  
    color:rgb(117, 226, 242)  
}
```

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, 226, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 226, 242) }
```

Border

The CSS property to change the border of an element to Yxy 64.5854, 0.2420, 0.3091 is called "border". The border property can be set on classes, ids or directly on the HTML element.

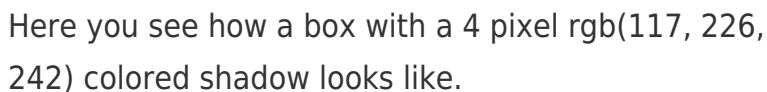
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 226, 242) }
```

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

```
.border{ border-color:rgb(117, 226, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 226, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 226, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 226, 242); box-shadow:4px 4px 4px 4px rgb(117, 226, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5854, 0.2420, 0.3091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 226, 242) }
```

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

```
.background{ background-color: rgb(117,  
226, 242) }
```

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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