

Converting Colors

$Yxy(61.9479, 0.2392, 0.3150)$

Have a look what the booklet for
Yxy(61.9479, 0.2392, 0.3150)
contains.

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Color

Yxy(62.1354, 0.2396, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	67E0EA
RGB	103, 224, 234
RGB Percent	40%, 88%, 92%
CMY	0.5960, 0.1215, 0.0824
CMYK	0.56, 0.04, 0.00, 0.08
HSL	185°, 76%, 66%
HSV	185°, 56%, 92%
XYZ	47.0979, 62.1354, 87.3355
YIQ	188.9610, -75.3260, -22.5420

Conversions

Conversions Part 2

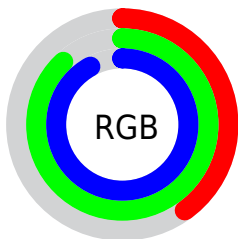
Format	Color
RYB	103, 166, 234
Decimal	6807786
CIELab	82.99, -31.00, -15.16
CIELCh	83, 34.508, 206.063
Yxy	62.1354, 0.2396, 0.3161
Android (android.graphics.Color)	4284997866 (0xFF67E0EA)
YUV	188.9610, 22.2042, -75.3878
Hunter-Lab	78.8260, -31.2933, -10.5123

Details

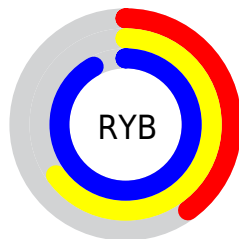
The Yxy color **62.1354, 0.2396, 0.3161** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.2739, 0.4750, 0.3402**, and the grayscale version is **50.7699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **31.4263, 0.2225, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **59.9896, 0.2315, 0.3135**, and if you desaturate by 10%, it is **64.6830, 0.2495, 0.3187**.

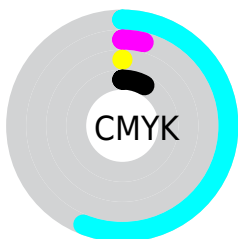
Distribution



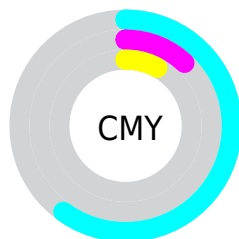
- Red (40%)
- Green (88%)
- Blue (92%)



- Red (40%)
- Yellow (65%)
- Blue (92%)



- Cyan (56%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)





- Cyan (60%)
- Magenta (12%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.1354, 0.2396, 0.3161 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 62.1354, 0.2396, 0.3161 by changing the saturation by 10% instead.

 62.1354, 0.2396,
0.3161

 62.1354, 0.2396,
0.3161


432.4248, 0.2734,
0.3232


 45.1421, 0.2319,
0.3142


 107.9212, 0.2513,
0.3188

 31.5694, 0.2225,
0.3117


 137.4825, 0.2559,
0.3198

 21.0328, 0.2106,
0.3083


 172.0019, 0.2598,
0.3206

 13.1480, 0.1953,
0.3034

211.8639, 0.2632,
0.3213

 7.5305, 0.1748,
0.2961

257.4528, 0.2663,
0.3219

 3.7960, 0.1465,
0.2841

309.1529, 0.2689,

 1.5601, 0.1028,

0.3224

0.2630

367.3488, 0.2713,
0.3228

0.3305, 0.0000,
0.1810

0.0000, 0.0000,
0.0000

62.1354, 0.2396,
0.3161

62.1354, 0.2396,
0.3161

59.9896, 0.2315,
0.3135

64.6830, 0.2495,
0.3187

58.2053, 0.2254,
0.3109

67.6546, 0.2612,
0.3212

56.7460, 0.2212,
0.3082

71.0793, 0.2742,
0.3235


55.5637, 0.2187,
0.3057


74.9814, 0.2884,
0.3258


 55.1344, 0.2180,
0.3047

 79.3834, 0.3035,
0.3278

 84.3066, 0.3190,
0.3297

 87.4652, 0.3268,
0.3315

 88.4990, 0.3266,
0.3332

 89.5430, 0.3264,
0.3350

Harmonies

Analogous

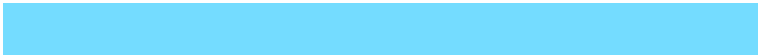
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.1354, 0.2654, 0.3594



62.1354, 0.2396, 0.3161



62.1354, 0.2323, 0.2808

Triad

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



62.1354, 0.2396, 0.3161



62.1354, 0.3159, 0.2735



62.1354, 0.3834, 0.3968

Complementary

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



62.1354, 0.2396, 0.3161



30.2739, 0.4750, 0.3402

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.



62.1354, 0.4000, 0.3686



62.1354, 0.2396, 0.3161



62.1354, 0.3598, 0.2999

Square

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



62.1354, 0.2396, 0.3161



62.1354, 0.2740, 0.2596



62.1354, 0.3914, 0.3337



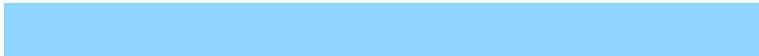
62.1354, 0.3481, 0.4083

Rectangle

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



62.1354, 0.2396, 0.3161



62.1354, 0.2383, 0.2660



62.1354, 0.3914, 0.3337



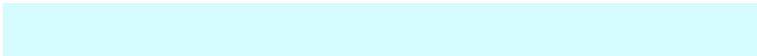
62.1354, 0.3915, 0.3887

Sweetspot

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



62.1378, 0.2396, 0.3161



90.5971, 0.2868, 0.3255



62.8814, 0.3005, 0.4983



19.1792, 0.2839, 0.3251



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.



62.1378, 0.2396, 0.3161



72.6107, 0.2306, 0.3131



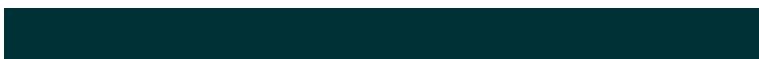
33.8823, 0.2206, 0.2267



16.9141, 0.2981, 0.3271



31.0727, 0.2181, 0.3051



2.4985, 0.2191, 0.3086

Inverse Universe

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



32.5729, 0.3288, 0.2050



34.0342, 0.3324, 0.1871



50.0011, 0.4278, 0.4103



15.2928, 0.3150, 0.3075



12.6296, 0.3410, 0.1652



0.9976, 0.3379, 0.1635

Previews

White Background



This preview shows how the Yxy color 62.1354, 0.2396, 0.3161 looks on a white background.

Color Contrast Check

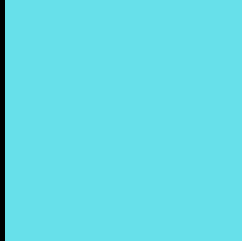
Large Text (above 18pt) WCAG AA × Fail

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 62.1354, 0.2396, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

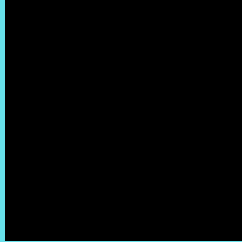
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.1354, 0.2396, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 62.1354, 0.2396, 0.3161.

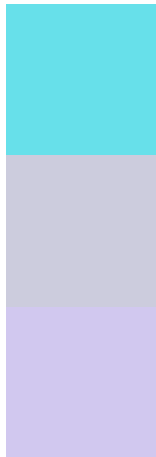


This preview shows how white text looks on a background with the Yxy color 62.1354, 0.2396, 0.3161.

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

62.1354, 0.2396, 0.3161

Protanopia

61.2436, 0.3009, 0.3095

Deuteranopia

61.0959, 0.2925, 0.2858



Tritanopia

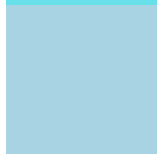
62.1904, 0.2374, 0.3062

Trichromacy



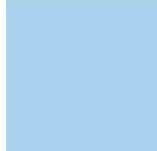
Original Color

62.1354, 0.2396, 0.3161



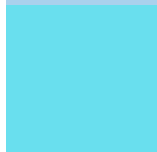
Protanomaly

60.2950, 0.2729, 0.3107



Deuteranomaly

60.2614, 0.2682, 0.2957



Tritanomaly

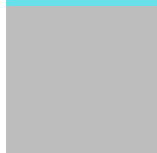
61.9517, 0.2383, 0.3099

Monochromacy



Original Color

62.1354, 0.2396, 0.3161



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.9179, 0.2787, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1354, 0.2396, 0.3161 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(103, 224, 234)` looks like.

```
.text, #text, p{  
    color:rgb(103, 224, 234)  
}
```

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(103, 224, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 224, 234) }
```

Border

The CSS property to change the border of an element to Yxy 62.1354, 0.2396, 0.3161 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(103, 224, 234) }
```

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

```
.border{ border-color:rgb(103, 224, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 224, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 224, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 224, 234);  
box-shadow:4px 4px 4px 4px rgb(103, 224,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1354, 0.2396, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 224, 234) }
```

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

```
.background{ background-color: rgb(103,  
224, 234) }
```

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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