

Converting Colors

$Yxy(61.1285, 0.2440, 0.3093)$

Have a look what the booklet for
Yxy(61.1285, 0.2440, 0.3093)
contains.

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Color

Yxy(61.1645, 0.2440, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	77DCEC
RGB	119, 220, 236
RGB Percent	47%, 86%, 93%
CMY	0.5332, 0.1373, 0.0744
CMYK	0.50, 0.07, 0.00, 0.07
HSL	188°, 75%, 70%
HSV	188°, 50%, 93%
XYZ	48.3451, 61.1645, 88.6261
YIQ	191.6250, -65.3320, -16.4360

Conversions

Conversions Part 2

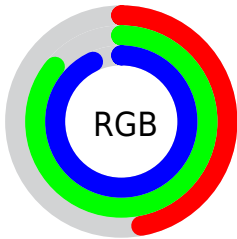
Format	Color
R _{YB}	119, 173, 236
Decimal	7855340
CIE _{Lab}	82.47, -25.30, -16.97
CIE _{LCh}	82, 30.465, 213.843
Y _{xy}	61.1645, 0.2440, 0.3087
Android (android.graphics.Color)	4286045420 (0xFF77DCEC)
YUV	191.6250, 21.8769, -63.6921
Hunter-Lab	78.2077, -26.5215, -12.4429

Details

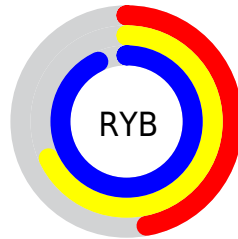
The Yxy color **61.1645, 0.2440, 0.3087** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.5082, 0.4431, 0.3472**, and the grayscale version is **52.3861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **31.0463, 0.2280, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **58.0189, 0.2339, 0.3039**, and if you desaturate by 10%, it is **64.7621, 0.2557, 0.3133**.

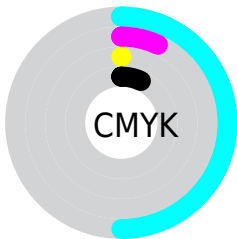
Distribution



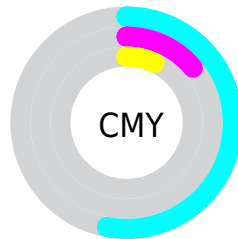
- Red (47%)
- Green (86%)
- Blue (93%)



- Red (47%)
- Yellow (68%)
- Blue (93%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)



- Cyan (53%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1645, 0.2440, 0.3087 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 61.1645, 0.2440, 0.3087 by changing the saturation by 10% instead.

61.1645, 0.2440,
0.3087

61.1645, 0.2440,
0.3087

428.8769, 0.2759,
0.3192

44.3579, 0.2367,
0.3060

106.5171, 0.2551,
0.3126

30.9520, 0.2278,
0.3026

135.8319, 0.2594,
0.3140

20.5623, 0.2165,
0.2980

170.0849, 0.2631,
0.3152

12.8044, 0.2018,
0.2917

209.6605, 0.2663,
0.3162

7.2940, 0.1822,
0.2824

254.9431, 0.2692,
0.3171

3.6467, 0.1549,
0.2678

306.3171, 0.2717,

1.4779, 0.1139,

0.3179

0.2425

364.1669, 0.2739,
0.3186

0.2731, 0.0000,
0.1472

0.0000, 0.0000,
0.0000

61.1645, 0.2440,
0.3087

61.1645, 0.2440,
0.3087

58.0189, 0.2339,
0.3039

64.7621, 0.2557,
0.3133

55.2869, 0.2257,
0.2991


68.8331, 0.2688,
0.3177

52.9349, 0.2195,
0.2942


73.4054, 0.2830,
0.3218


50.9205, 0.2152,
0.2893


78.5030, 0.2980,
0.3256


 49.1746, 0.2124,
0.2846


 84.1481, 0.3134,
0.3291

 49.1019, 0.2123,
0.2843

 89.2769, 0.3252,
0.3323

 91.1900, 0.3249,
0.3355

 93.1371, 0.3246,
0.3386

 95.1185, 0.3243,
0.3417

Harmonies

Analogous

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



61.1645, 0.2632, 0.3461



61.1645, 0.2440, 0.3087



61.1645, 0.2419, 0.2803

Triad

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



61.1645, 0.2440, 0.3087



61.1645, 0.3262, 0.2845



61.1645, 0.3689, 0.3938

Complementary

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



61.1645, 0.2440, 0.3087



36.5082, 0.4431, 0.3472

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.



61.1645, 0.3885, 0.3722



61.1645, 0.2440, 0.3087



61.1645, 0.3633, 0.3106

Square

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



61.1645, 0.2440, 0.3087



61.1645, 0.2873, 0.2688



61.1645, 0.3866, 0.3419



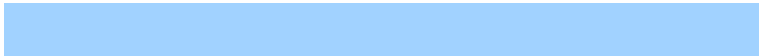
61.1645, 0.3348, 0.3981

Rectangle

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



61.1645, 0.2440, 0.3087



61.1645, 0.2503, 0.2695



61.1645, 0.3866, 0.3419



61.1645, 0.3775, 0.3881

Sweetspot

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



61.1668, 0.2440, 0.3087



90.1576, 0.2897, 0.3236



65.6628, 0.2979, 0.4661



19.0266, 0.2865, 0.3228



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.



61.1668, 0.2440, 0.3087



69.2708, 0.2342, 0.3041



35.7942, 0.2288, 0.2297



16.7497, 0.2981, 0.3257



27.2034, 0.2125, 0.2851



2.2332, 0.2144, 0.2918

Inverse Universe

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



36.2028, 0.3337, 0.2232



37.2354, 0.3388, 0.2063



57.3612, 0.4076, 0.4100



15.2762, 0.3159, 0.3089



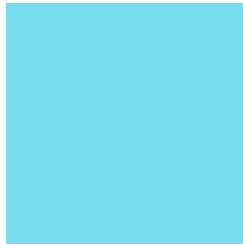
12.2390, 0.3588, 0.1750



0.9709, 0.3527, 0.1717

Previews

White Background



This preview shows how the Yxy color 61.1645, 0.2440, 0.3087 looks on a white background.

Color Contrast Check

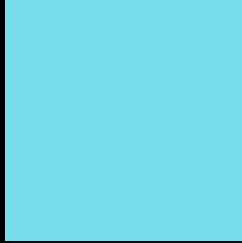
Large Text (above 18pt) WCAG AA × Fail

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 61.1645, 0.2440, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

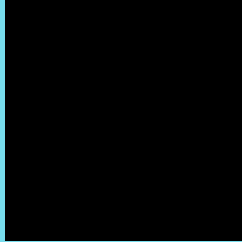
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.1645, 0.2440, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 61.1645, 0.2440, 0.3087.



This preview shows how white text looks on a background with the Yxy color 61.1645, 0.2440, 0.3087.

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

61.1645, 0.2440, 0.3087

Protanopia

60.7047, 0.2968, 0.3038

Deuteranopia

60.2599, 0.2897, 0.2833



Tritanopia

61.3525, 0.2435, 0.3063

Trichromacy



Original Color

61.1645, 0.2440, 0.3087



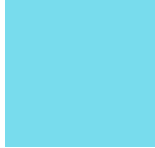
Protanomaly

60.0287, 0.2741, 0.3049



Deuteranomaly

59.8563, 0.2693, 0.2913



Tritanomaly

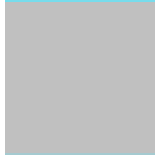
61.2939, 0.2440, 0.3075

Monochromacy



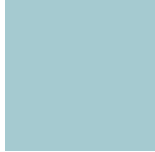
Original Color

61.1645, 0.2440, 0.3087



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

54.7945, 0.2816, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.1645, 0.2440, 0.3087 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(119, 220, 236)` looks like.

```
.text, #text, p{  
    color:rgb(119, 220, 236)  
}
```

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(119, 220, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 220, 236) }
```

Border

The CSS property to change the border of an element to Yxy 61.1645, 0.2440, 0.3087 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(119, 220, 236) }
```

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

```
.border{ border-color:rgb(119, 220, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 220, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 220, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 220, 236);  
box-shadow:4px 4px 4px 4px rgb(119, 220,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 61.1645, 0.2440, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 220, 236) }
```

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

```
.background{ background-color: rgb(119,  
220, 236) }
```

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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