

# Converting Colors

$Yxy(61.2805, 0.2440, 0.3147)$

Have a look what the booklet for  
Yxy(61.2805, 0.2440, 0.3147)  
contains.

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# Color

**Yxy(61.1165, 0.2440, 0.3148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72DDE8
RGB	114, 221, 232
RGB Percent	45%, 87%, 91%
CMY	0.5526, 0.1334, 0.0901
CMYK	0.51, 0.05, 0.00, 0.09
HSL	186°, 72%, 68%
HSV	186°, 51%, 91%
XYZ	47.3711, 61.1165, 85.6563
YIQ	190.2610, -67.3030, -19.2630

# Conversions

## Conversions Part 2

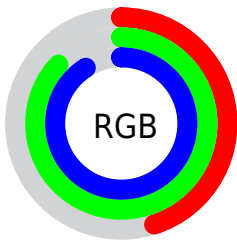
Format	Color
<a href="#">RYB</a>	<a href="#">114, 170, 232</a>
Decimal	<a href="#">7527912</a>
CIELab	<a href="#">82.44, -27.89, -14.90</a>
CIElCh	<a href="#">82, 31.621, 208.114</a>
Yxy	<a href="#">61.1165, 0.2440, 0.3148</a>
Android (android.graphics.Color)	<a href="#">4285717992 (0xFF72DDE8)</a>
YUV	<a href="#">190.2610, 20.5773, -66.8809</a>
Hunter-Lab	<a href="#">78.1770, -28.6484, -10.2384</a>

# Details

The Yxy color **61.1165, 0.2440, 0.3148** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.0717, 0.4513, 0.3417**, and the grayscale version is **51.5723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **31.0600, 0.2281, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **58.6158, 0.2347, 0.3116**, and if you desaturate by 10%, it is **64.0314, 0.2550, 0.3179**.

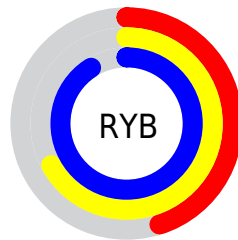
# Distribution



Red (45%)

Green (87%)

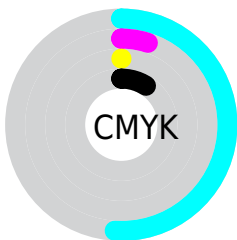
Blue (91%)



Red (45%)

Yellow (67%)

Blue (91%)

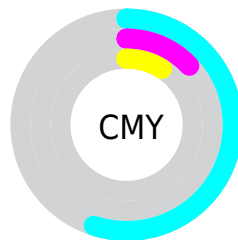


Cyan (51%)

Magenta (5%)

Yellow (0%)

Black (9%)



Cyan (55%)

Magenta (13%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1165, 0.2440, 0.3148 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 61.1165, 0.2440, 0.3148 by changing the saturation by 10% instead.




 61.1165, 0.2440,  
0.3148

 61.1165, 0.2440,  
0.3148


428.7010, 0.2760,  
0.3224


 44.3192, 0.2367,  
0.3128


 106.4476, 0.2551,  
0.3177

 30.9215, 0.2277,  
0.3102


 135.7502, 0.2594,  
0.3187

 20.5391, 0.2164,  
0.3066


 169.9900, 0.2631,  
0.3196

 12.7875, 0.2016,  
0.3016

209.5514, 0.2664,  
0.3203

 7.2824, 0.1818,  
0.2941

254.8188, 0.2692,  
0.3210

 3.6393, 0.1541,  
0.2819

306.1766, 0.2717,

 1.4739, 0.1110,

0.3215

0.2604

364.0092, 0.2739,  
0.3220

■ 0.2703, 0.0000,  
0.1632

■ 0.0000, 0.0000,  
0.0000

■ 61.1165, 0.2440,  
0.3148

■ 61.1165, 0.2440,  
0.3148

■ 58.6158, 0.2347,  
0.3116

■ 64.0314, 0.2550,  
0.3179

■ 56.4916, 0.2274,  
0.3083

■ 67.3806, 0.2676,  
0.3209

■ 54.7115, 0.2219,  
0.3051

■ 71.1915, 0.2813,  
0.3237

■ 53.2338, 0.2184,  
0.3019

■ 75.4869, 0.2961,  
0.3264

■ 52.0807, 0.2164,  
0.2990

■ 80.2884, 0.3114,  
0.3288

■ 85.6158, 0.3271,  
0.3310

■ 87.1802, 0.3281,  
0.3331

■ 88.4383, 0.3278,  
0.3353

■ 89.7116, 0.3276,  
0.3374

# Harmonies

## Analogous

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



61.1165, 0.2670, 0.3543



61.1165, 0.2440, 0.3148



61.1165, 0.2384, 0.2829

# Triad

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



61.1165, 0.2440, 0.3148



61.1165, 0.3187, 0.2789



61.1165, 0.3763, 0.3930

# Complementary

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



61.1165, 0.2440, 0.3148



33.0717, 0.4513, 0.3417

# 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.



61.1165, 0.3928, 0.3681



61.1165, 0.2440, 0.3148



61.1165, 0.3586, 0.3041

# Square

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



61.1165, 0.2440, 0.3148



61.1165, 0.2794, 0.2651



61.1165, 0.3865, 0.3359



61.1165, 0.3430, 0.4017

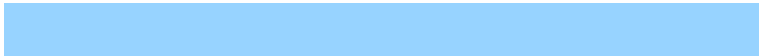


# Rectangle

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



61.1165, 0.2440, 0.3148



61.1165, 0.2448, 0.2698



61.1165, 0.3865, 0.3359



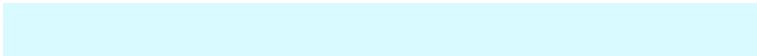
61.1165, 0.3841, 0.3861

# Sweetspot

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



61.1188, 0.2440, 0.3148



91.1927, 0.2897, 0.3253



62.7597, 0.3005, 0.4781



19.2785, 0.2866, 0.3247



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

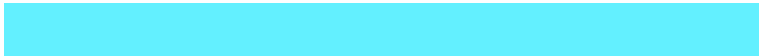


# Same Dimension

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



61.1188, 0.2440, 0.3148



72.4870, 0.2343, 0.3114



35.6848, 0.2284, 0.2351



16.0938, 0.2982, 0.3267



29.0083, 0.2165, 0.2995



2.2111, 0.2178, 0.3041



# Inverse Universe

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



34.4330, 0.3291, 0.2164



36.5876, 0.3331, 0.1980



52.1932, 0.4138, 0.4057



14.5908, 0.3152, 0.3080



12.1261, 0.3459, 0.1679

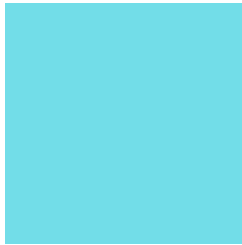


0.9029, 0.3418, 0.1656



# Previews

## White Background



This preview shows how the Yxy color 61.1165, 0.2440, 0.3148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

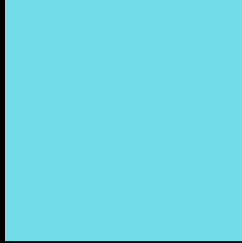
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.1165, 0.2440, 0.3148 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 61.1165, 0.2440, 0.3148**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.1165, 0.2440, 0.3148.

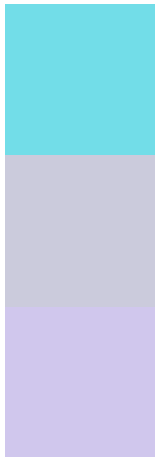


This preview shows how white text looks on a background with the Yxy color 61.1165, 0.2440, 0.3148.

# 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

61.1165, 0.2440, 0.3148

### Protanopia

60.5757, 0.3009, 0.3094

### Deuteranopia

60.3712, 0.2931, 0.2866



## Tritanopia

61.0724, 0.2418, 0.3062

# Trichromacy



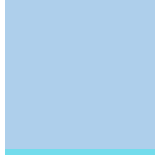
## Original Color

61.1165, 0.2440, 0.3148



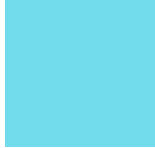
## Protanomaly

60.1329, 0.2765, 0.3120



## Deuteranomaly

59.6225, 0.2716, 0.2957



## Tritanomaly

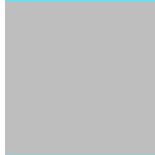
60.8874, 0.2423, 0.3086

# Monochromacy



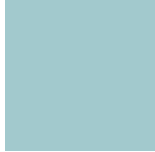
## Original Color

61.1165, 0.2440, 0.3148



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

53.8624, 0.2814, 0.3238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.1165, 0.2440, 0.3148 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(114, 221, 232)` looks like.

```
.text, #text, p{  
    color:rgb(114, 221, 232)  
}
```

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(114, 221, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 221, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 61.1165, 0.2440, 0.3148 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(114, 221, 232) }
```

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

```
.border{ border-color:rgb(114, 221, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 221, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 221, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 221, 232);  
box-shadow:4px 4px 4px 4px rgb(114, 221,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.1165, 0.2440, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 221, 232) }
```

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

```
.background{ background-color: rgb(114,  
221, 232) }
```

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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