

# Converting Colors

$Y_{xy}(62.2701, 0.2392, 0.3140)$

Have a look what the booklet for  
Yxy(62.2701, 0.2392, 0.3140)  
contains.

<b>Yxy(62.3105, 0.2391, 0.3136)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.3105, 0.2391, 0.3136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68E0EC
RGB	104, 224, 236
RGB Percent	41%, 88%, 93%
CMY	0.5920, 0.1216, 0.0745
CMYK	0.56, 0.05, 0.00, 0.07
HSL	185°, 78%, 67%
HSV	185°, 56%, 93%
XYZ	47.5078, 62.3105, 88.8759
YIQ	189.4880, -75.3720, -21.7080

# Conversions

## Conversions Part 2

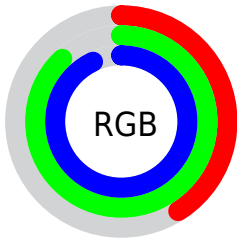
Format	Color
<a href="#">RYB</a>	104, 167, 236
Decimal	6873324
CIELab	83.08, -30.25, -16.09
CIELCh	83, 34.266, 208.001
Yxy	62.3105, 0.2391, 0.3136
Android (android.graphics.Color)	4285063404 (0xFF68E0EC)
YUV	189.4880, 22.9304, -74.9730
Hunter-Lab	78.9370, -30.7105, -11.4993

# Details

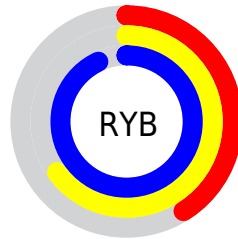
The Yxy color **62.3105, 0.2391, 0.3136** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.3335, 0.4734, 0.3423**, and the grayscale version is **51.0890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **31.5336, 0.2218, 0.3083** is the 20% darker color. If you saturate the color by 10%, you get **59.9459, 0.2308, 0.3105**, and if you desaturate by 10%, it is **65.0895, 0.2492, 0.3167**.

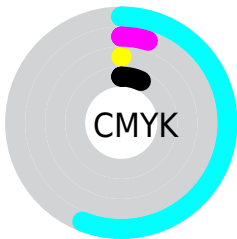
# Distribution



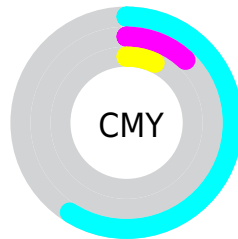
- Red (41%)
- Green (88%)
- Blue (93%)



- Red (41%)
- Yellow (65%)
- Blue (93%)



- Cyan (56%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)




- Cyan (59%)
- Magenta (12%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3105, 0.2391, 0.3136 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 62.3105, 0.2391, 0.3136 by changing the saturation by 10% instead.




 62.3105, 0.2391,  
0.3136

 62.3105, 0.2391,  
0.3136


433.0628, 0.2731,  
0.3219

 45.2836, 0.2314,  
0.3114


 108.1742, 0.2509,  
0.3167

 31.6809, 0.2219,  
0.3086


 137.7798, 0.2555,  
0.3179

 21.1179, 0.2100,  
0.3047


 172.3470, 0.2594,  
0.3188

 13.2102, 0.1947,  
0.2993

212.2604, 0.2629,  
0.3196

 7.5734, 0.1742,  
0.2912

257.9043, 0.2659,  
0.3203

 3.8232, 0.1460,  
0.2782

309.6631, 0.2686,

 1.5752, 0.1034,

0.3209

0.2555

367.9211, 0.2710,  
0.3214

0.3408, 0.0000,  
0.1756

0.0000, 0.0000,  
0.0000

62.3105, 0.2391,  
0.3136

62.3105, 0.2391,  
0.3136

59.9459, 0.2308,  
0.3105

65.0895, 0.2492,  
0.3167

57.9547, 0.2245,  
0.3073

68.3058, 0.2610,  
0.3197

56.2997, 0.2201,  
0.3041

71.9889, 0.2742,  
0.3225

54.9317, 0.2174,  
0.3011

76.1638, 0.2885,  
0.3252

■ 54.4228, 0.2166,  
0.2998

■ 80.8535, 0.3036,  
0.3276

■ 86.0796, 0.3191,  
0.3299

■ 89.0600, 0.3253,  
0.3320

■ 90.3239, 0.3251,  
0.3341

■ 91.6029, 0.3249,  
0.3362

# Harmonies

## Analogous

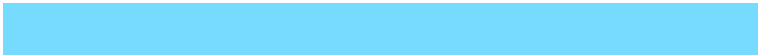
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.3105, 0.2636, 0.3564



62.3105, 0.2391, 0.3136



62.3105, 0.2331, 0.2794

# Triad

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



62.3105, 0.2391, 0.3136



62.3105, 0.3188, 0.2753



62.3105, 0.3811, 0.3976

# Complementary

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



62.3105, 0.2391, 0.3136



31.3335, 0.4734, 0.3423

# 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.



62.3105, 0.3990, 0.3705



62.3105, 0.2391, 0.3136



62.3105, 0.3619, 0.3021

# Square

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



62.3105, 0.2391, 0.3136



62.3105, 0.2767, 0.2606



62.3105, 0.3921, 0.3360



62.3105, 0.3452, 0.4075

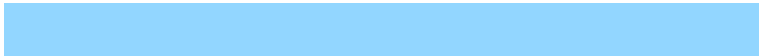


# Rectangle

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



62.3105, 0.2391, 0.3136



62.3105, 0.2399, 0.2654



62.3105, 0.3921, 0.3360



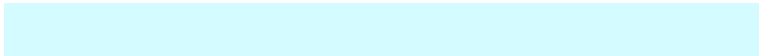
62.3105, 0.3895, 0.3900

# Sweetspot

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



62.3129, 0.2391, 0.3136



90.1961, 0.2868, 0.3249



64.1733, 0.2995, 0.4953



19.0834, 0.2838, 0.3243



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

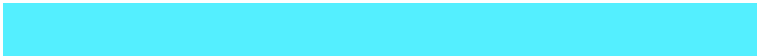


# Same Dimension

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



62.3129, 0.2391, 0.3136



71.1184, 0.2298, 0.3100



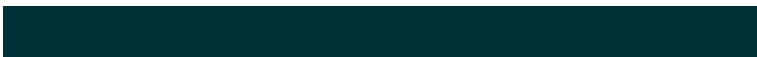
33.8070, 0.2200, 0.2236



16.8740, 0.2981, 0.3268



30.1006, 0.2168, 0.3003



2.4322, 0.2179, 0.3046



# Inverse Universe

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



33.1241, 0.3307, 0.2067



33.8836, 0.3349, 0.1889



51.8874, 0.4262, 0.4124



15.2888, 0.3152, 0.3079



12.5315, 0.3452, 0.1675

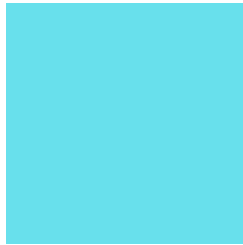


0.9909, 0.3414, 0.1654



# Previews

## White Background



This preview shows how the Yxy color 62.3105, 0.2391, 0.3136 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

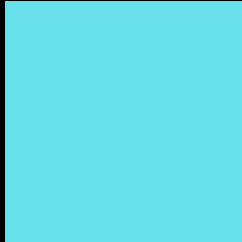
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3105, 0.2391, 0.3136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

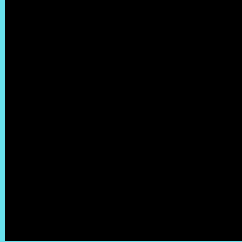
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.3105, 0.2391, 0.3136**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3105, 0.2391, 0.3136.



This preview shows how white text looks on a background with the Yxy color 62.3105, 0.2391, 0.3136.

# 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

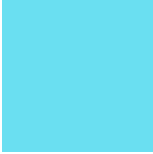
62.3105, 0.2391, 0.3136

### Protanopia

61.3508, 0.2996, 0.3073

### Deuteranopia

61.5341, 0.2905, 0.2848



## **Tritanopia**

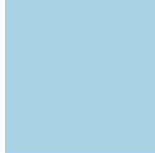
62.1904, 0.2374, 0.3062

# Trichromacy



## Original Color

62.3105, 0.2391, 0.3136



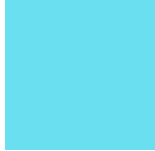
## Protanomaly

60.5148, 0.2724, 0.3084



## Deuteranomaly

60.3790, 0.2671, 0.2934



## Tritanomaly

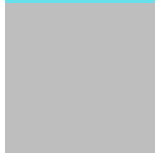
62.0106, 0.2379, 0.3086

# Monochromacy



## Original Color

62.3105, 0.2391, 0.3136



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

54.1170, 0.2782, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3105, 0.2391, 0.3136 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(104, 224, 236)` looks like.

```
.text, #text, p{  
    color:rgb(104, 224, 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(104, 224, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 224, 236) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3105, 0.2391, 0.3136 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(104, 224, 236) }
```

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

```
.border{ border-color:rgb(104, 224, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 224, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 224, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 224, 236);  
box-shadow:4px 4px 4px 4px rgb(104, 224,  
236) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3105, 0.2391, 0.3136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 224, 236) }
```

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

```
.background{ background-color: rgb(104,  
224, 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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