

# Converting Colors

$Y_{xy}(62.0590, 0.2601, 0.3141)$

Have a look what the booklet for  
Yxy(62.0590, 0.2601, 0.3141)  
contains.

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# **Color**

**Yxy(62.0590, 0.2601, 0.3141)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93DAE6
RGB	147, 218, 230
RGB Percent	58%, 85%, 90%
CMY	0.4234, 0.1451, 0.0981
CMYK	0.36, 0.05, 0.00, 0.10
HSL	189°, 62%, 74%
HSV	189°, 36%, 90%
XYZ	51.3898, 62.0590, 84.1284
YIQ	198.1390, -46.1680, -11.3200

# Conversions

## Conversions Part 2

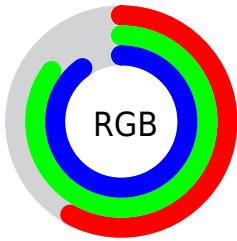
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">147, 185, 230</a>
Decimal	<a href="#">9689830</a>
CIELab	<a href="#">82.94, -19.15, -12.93</a>
CIELCh	<a href="#">83, 23.108, 214.020</a>
Yxy	<a href="#">62.0590, 0.2601, 0.3141</a>
Android (android.graphics.Color)	<a href="#">4287879910</a> ( <a href="#">0xFF93DAE6</a> )
YUV	<a href="#">198.1390, 15.7075, -44.8489</a>
Hunter-Lab	<a href="#">78.7775, -21.4178, -8.1729</a>

# Details

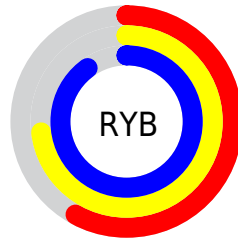
The Yxy color **62.0590, 0.2601, 0.3141** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.7350, 0.3947, 0.3432**, and the grayscale version is **56.4894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **31.5648, 0.2472, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **58.4355, 0.2478, 0.3093**, and if you desaturate by 10%, it is **66.1471, 0.2737, 0.3186**.

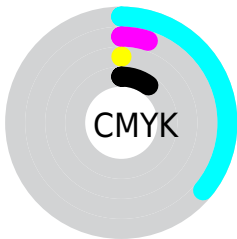
# Distribution



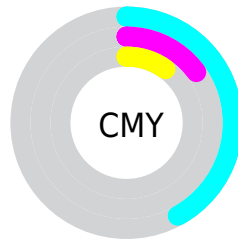
- Red (58%)
- Green (85%)
- Blue (90%)



- Red (58%)
- Yellow (73%)
- Blue (90%)



- Cyan (36%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)




- Cyan (42%)
- Magenta (15%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.0590, 0.2601, 0.3141 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 62.0590, 0.2601, 0.3141 by changing the saturation by 10% instead.





 62.0590, 0.2601,  
0.3141

 62.0590, 0.2601,  
0.3141


432.1463, 0.2847,  
0.3217

 45.0804, 0.2544,  
0.3122


 107.8108, 0.2687,  
0.3169

 31.5207, 0.2474,  
0.3098


 137.3528, 0.2720,  
0.3179

 20.9957, 0.2386,  
0.3065


171.8513, 0.2748,  
0.3188

 13.1209, 0.2269,  
0.3020

211.6908, 0.2773,  
0.3195

 7.5118, 0.2111,  
0.2955

257.2556, 0.2795,  
0.3202

 3.7842, 0.1884,  
0.2851

308.9302, 0.2814,

 1.5536, 0.1537,

0.3207

0.2667

367.0990, 0.2831,  
0.3212

0.3260, 0.0000,  
0.2018

0.0000, 0.0000,  
0.0000

62.0590, 0.2601,  
0.3141

62.0590, 0.2601,  
0.3141

58.4355, 0.2478,  
0.3093

66.1471, 0.2737,  
0.3186

55.2435, 0.2371,  
0.3043

70.7159, 0.2882,  
0.3229

52.4572, 0.2281,  
0.2992

75.7898, 0.3033,  
0.3268

50.0444, 0.2210,  
0.2940

81.3893, 0.3188,  
0.3304

■ 47.9678, 0.2159,  
0.2889

■ 86.1760, 0.3295,  
0.3336

■ 46.1810, 0.2126,  
0.2838

■ 88.0941, 0.3292,  
0.3369

■ 45.5280, 0.2116,  
0.2818

■ 90.0479, 0.3288,  
0.3401

■ 92.0377, 0.3285,  
0.3433

■ 94.0636, 0.3281,  
0.3465

# Harmonies

## Analogous

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



62.0590, 0.2751, 0.3419



62.0590, 0.2601, 0.3141



62.0590, 0.2585, 0.2923

# Triad

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



62.0590, 0.2601, 0.3141



62.0590, 0.3233, 0.2949



62.0590, 0.3554, 0.3782

# Complementary

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



62.0590, 0.2601, 0.3141



43.7350, 0.3947, 0.3432

# 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.



62.0590, 0.3698, 0.3627



62.0590, 0.2601, 0.3141



62.0590, 0.3510, 0.3153

# Square

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



62.0590, 0.2601, 0.3141



62.0590, 0.2938, 0.2827



62.0590, 0.3683, 0.3397



62.0590, 0.3297, 0.3805



# Rectangle

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



62.0590, 0.2601, 0.3141



62.0590, 0.2651, 0.2837



62.0590, 0.3683, 0.3397



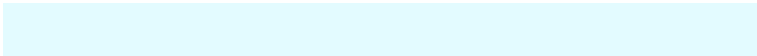
62.0590, 0.3618, 0.3742

# Sweetspot

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



62.0614, 0.2601, 0.3141



92.5024, 0.2957, 0.3249



65.2687, 0.3014, 0.4229



19.6135, 0.2936, 0.3244



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

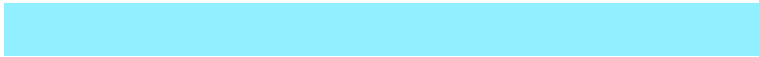


# Same Dimension

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



62.0614, 0.2601, 0.3141



75.0902, 0.2511, 0.3107



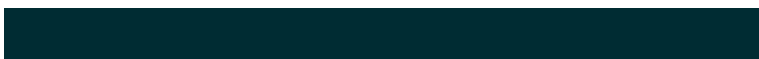
43.5415, 0.2527, 0.2612



15.9625, 0.2981, 0.3255



25.9161, 0.2118, 0.2826



2.0127, 0.2139, 0.2900



# Inverse Universe

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



42.7611, 0.3275, 0.2513



47.8586, 0.3312, 0.2365



60.0416, 0.3781, 0.3883



14.5775, 0.3160, 0.3091



11.8140, 0.3611, 0.1763

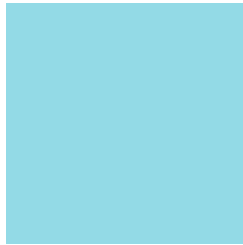


0.8829, 0.3543, 0.1725



# Previews

## White Background



This preview shows how the Yxy color 62.0590, 0.2601, 0.3141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

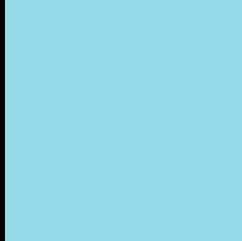
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.0590, 0.2601, 0.3141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

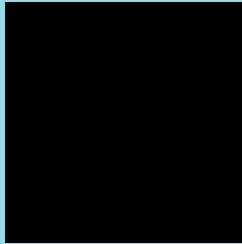
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.0590, 0.2601, 0.3141**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.0590, 0.2601, 0.3141.

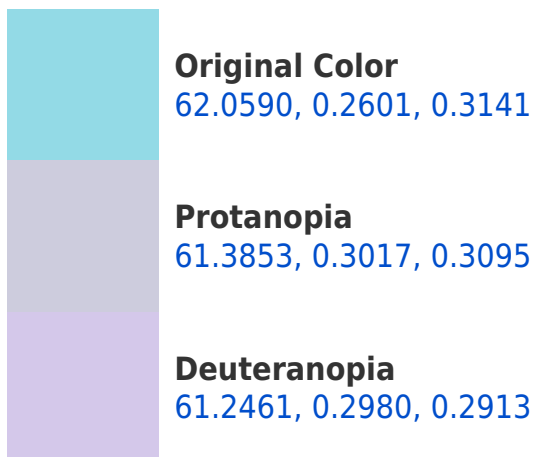


This preview shows how white text looks on a background with the Yxy color 62.0590, 0.2601, 0.3141.

# 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

61.9198, 0.2579, 0.3069

# Trichromacy



**Original Color**

62.0590, 0.2601, 0.3141

**Protanomaly**

61.1731, 0.2850, 0.3112

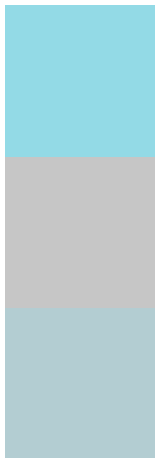
**Deuteranomaly**

61.2002, 0.2820, 0.2988

**Tritanomaly**

61.8048, 0.2589, 0.3093

# Monochromacy



**Original Color**

62.0590, 0.2601, 0.3141

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

57.8995, 0.2902, 0.3228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.0590, 0.2601, 0.3141 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(147, 218, 230)` looks like.

```
.text, #text, p{  
    color:rgb(147, 218, 230)  
}
```

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(147, 218, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 218, 230) }
```

## Border

The CSS property to change the border of an element to Yxy 62.0590, 0.2601, 0.3141 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(147, 218, 230) }
```

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

```
.border{ border-color:rgb(147, 218, 230) }
```

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

Here you see how a box with a 4 pixel rgb(147, 218, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 218, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 218, 230);  
box-shadow:4px 4px 4px 4px rgb(147, 218,  
230) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.0590, 0.2601, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 218, 230) }
```

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

```
.background{ background-color: rgb(147,  
218, 230) }
```

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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