

Converting Colors

$Yxy(62.2587, 0.2693, 0.3004)$

Have a look what the booklet for
Yxy(62.2587, 0.2693, 0.3004)
contains.

Yxy(62.3609, 0.2693, 0.3006)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(62.3609, 0.2693, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	ABD5ED
RGB	171, 213, 237
RGB Percent	67%, 84%, 93%
CMY	0.3296, 0.1646, 0.0705
CMYK	0.28, 0.10, 0.00, 0.07
HSL	202°, 65%, 80%
HSV	202°, 28%, 93%
XYZ	55.8676, 62.3609, 89.2263
YIQ	203.1780, -32.7360, -1.4400

Conversions

Conversions Part 2

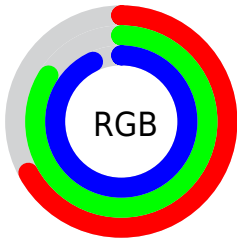
Format	Color
RYB	171, 197, 237
Decimal	11261421
CIELab	83.10, -8.34, -16.29
CIELCh	83, 18.299, 242.882
Yxy	62.3609, 0.2693, 0.3006
Android (android.graphics.Color)	4289451501 (0xFFABD5ED)
YUV	203.1780, 16.6742, -28.2201
Hunter-Lab	78.9689, -11.9135, -11.7130

Details

The Yxy color **62.3609, 0.2693, 0.3006** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **59.9531, 0.3665, 0.3557**, and the grayscale version is **59.7430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **31.5718, 0.2588, 0.2928** is the 20% darker color. If you saturate the color by 10%, you get **55.7194, 0.2541, 0.2886**, and if you desaturate by 10%, it is **69.7146, 0.2849, 0.3117**.

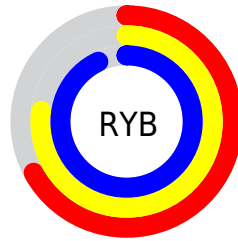
Distribution



Red (67%)

Green (84%)

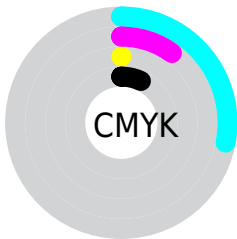
Blue (93%)



Red (67%)

Yellow (77%)

Blue (93%)

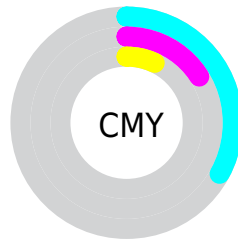


Cyan (28%)

Magenta (10%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (16%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3609, 0.2693, 0.3006 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 62.3609, 0.2693, 0.3006 by changing the saturation by 10% instead.

■ 62.3609, 0.2693,
0.3006

■ 62.3609, 0.2693,
0.3006

433.2463, 0.2896,
0.3143

■ 45.3244, 0.2646,
0.2974

■ 108.2470, 0.2764,
0.3054

■ 31.7130, 0.2588,
0.2933

137.8653, 0.2791,
0.3073

■ 21.1424, 0.2514,
0.2880

172.4463, 0.2815,
0.3089

■ 13.2281, 0.2417,
0.2810

212.3745, 0.2836,
0.3103

■ 7.5858, 0.2284,
0.2711

258.0342, 0.2854,
0.3115

■ 3.8311, 0.2093,
0.2564

309.8098, 0.2870,

■ 1.5795, 0.1797,

0.3125

0.2324

368.0857, 0.2884,
0.3134

0.3437, 0.0589,
0.1644

0.0000, 0.0000,
0.0000

62.3609, 0.2693,
0.3006

62.3609, 0.2693,
0.3006

55.7194, 0.2541,
0.2886

69.7146, 0.2849,
0.3117

49.7535, 0.2396,
0.2757

77.7999, 0.3005,
0.3218

44.4343, 0.2262,
0.2622

86.6450, 0.3160,
0.3308

39.7270, 0.2144,
0.2482

94.1770, 0.3239,
0.3392

■ 35.5926, 0.2045,
0.2341

■ 98.8955, 0.3232,
0.3463

■ 31.9858, 0.1967,
0.2200

■ 28.8459, 0.1909,
0.2063

■ 28.2209, 0.1898,
0.2034

Harmonies

Analogous

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



62.3609, 0.2711, 0.3183



62.3609, 0.2693, 0.3006



62.3609, 0.2786, 0.2912

Triad

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



62.3609, 0.2693, 0.3006



62.3609, 0.3422, 0.3176



62.3609, 0.3273, 0.3695

Complementary

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



62.3609, 0.2693, 0.3006



59.9531, 0.3665, 0.3557

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.



62.3609, 0.3472, 0.3677



62.3609, 0.2693, 0.3006



62.3609, 0.3562, 0.3371

Square

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



62.3609, 0.2693, 0.3006



62.3609, 0.3203, 0.3012



62.3609, 0.3580, 0.3554



62.3609, 0.3039, 0.3593

Rectangle

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



62.3609, 0.2693, 0.3006



62.3609, 0.2901, 0.2905



62.3609, 0.3580, 0.3554



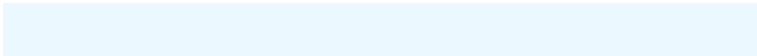
62.3609, 0.3346, 0.3702

Sweetspot

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



62.3634, 0.2693, 0.3006



91.6965, 0.3003, 0.3216



73.1291, 0.2957, 0.3806



19.3065, 0.2980, 0.3202



0.0000, 0.0000, 0.0000



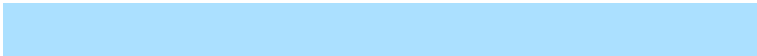
21.4041, 0.3127, 0.3290

Same Dimension

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



62.3634, 0.2693, 0.3006



69.4036, 0.2612, 0.2944



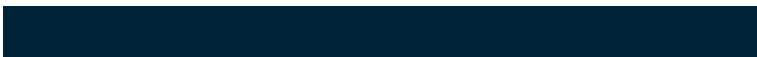
47.7565, 0.2652, 0.2608



16.1482, 0.2981, 0.3202



15.6631, 0.1905, 0.2056



1.4117, 0.1957, 0.2246

Inverse Universe

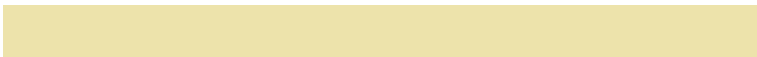
The Inverse Universe completely reimagines the original color for something new.



51.9177, 0.3358, 0.2835



55.7343, 0.3414, 0.2746



75.9429, 0.3575, 0.3891



15.2155, 0.3193, 0.3141



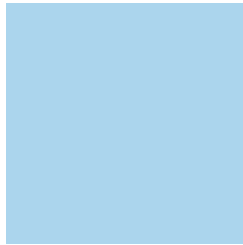
11.0740, 0.4390, 0.2192



0.8879, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 62.3609, 0.2693, 0.3006 looks on a white background.

Color Contrast Check

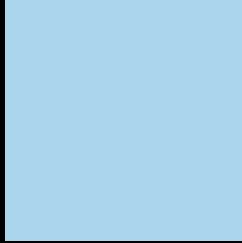
Large Text (above 18pt) WCAG AA × Fail

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 62.3609, 0.2693, 0.3006 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 62.3609, 0.2693, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 62.3609, 0.2693, 0.3006.



This preview shows how white text looks on a background with the Yxy color 62.3609, 0.2693, 0.3006.

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

62.3609, 0.2693, 0.3006

Protanopia

62.1853, 0.2929, 0.2985

Deuteranopia

61.8542, 0.2939, 0.2871



Tritanopia

62.4087, 0.2722, 0.3086

Trichromacy



Original Color

62.3609, 0.2693, 0.3006

Protanomaly

62.1286, 0.2835, 0.2991

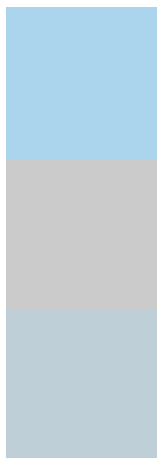
Deuteranomaly

61.5715, 0.2842, 0.2915

Tritanomaly

62.5224, 0.2711, 0.3063

Monochromacy



Original Color

62.3609, 0.2693, 0.3006

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.6083, 0.2955, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3609, 0.2693, 0.3006 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(171, 213, 237)` looks like.

```
.text, #text, p{  
    color:rgb(171, 213, 237)  
}
```

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(171, 213, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 213, 237) }
```

Border

The CSS property to change the border of an element to Yxy 62.3609, 0.2693, 0.3006 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(171, 213, 237) }
```

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

```
.border{ border-color:rgb(171, 213, 237) }
```

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

Here you see how a box with a 4 pixel rgb(171, 213, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 213, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 213, 237);  
box-shadow:4px 4px 4px 4px rgb(171, 213,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3609, 0.2693, 0.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 213, 237) }
```

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

```
.background{ background-color: rgb(171,  
213, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor