

Converting Colors

$Yxy(62.4777, 0.2656, 0.3002)$

Have a look what the booklet for
Yxy(62.4777, 0.2656, 0.3002)
contains.

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Color

Yxy(62.3732, 0.2659, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	A6D6EE
RGB	166, 214, 238
RGB Percent	65%, 84%, 93%
CMY	0.3493, 0.1607, 0.0668
CMYK	0.30, 0.10, 0.00, 0.07
HSL	200°, 68%, 79%
HSV	200°, 30%, 93%
XYZ	55.1915, 62.3732, 90.0001
YIQ	202.3840, -36.3120, -2.7120

Conversions

Conversions Part 2

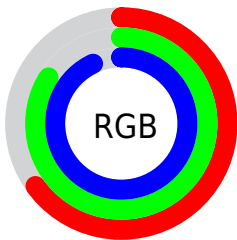
Format	Color
R _Y B	166, 195, 238
Decimal	10933998
CIE Lab	83.11, -10.07, -16.82
CIE LCh	83, 19.598, 239.096
Yxy	62.3732, 0.2659, 0.3005
Android (android.graphics.Color)	4289124078 (0xFFA6D6EE)
YUV	202.3840, 17.5587, -31.9088
Hunter-Lab	78.9767, -13.4677, -12.2818

Details

The Yxy color $62.3732, 0.2659, 0.3005$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $57.7028, 0.3731, 0.3557$, and the grayscale version is $59.2133, 0.3127, 0.3290$.

A 20% lighter version of the original color is $94.4280, 0.2935, 0.3289$, and $31.6184, 0.2547, 0.2926$ is the 20% darker color. If you saturate the color by 10%, you get $56.1295, 0.2511, 0.2894$, and if you desaturate by 10%, it is $69.2922, 0.2813, 0.3108$.

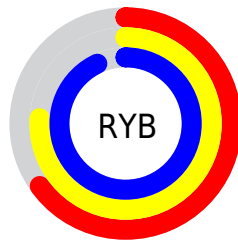
Distribution



Red (65%)

Green (84%)

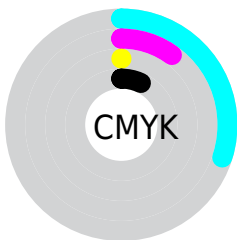
Blue (93%)



Red (65%)

Yellow (76%)

Blue (93%)

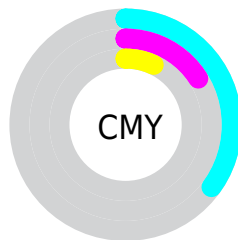


Cyan (30%)

Magenta (10%)

Yellow (0%)

Black (7%)



Cyan (35%)


Magenta (16%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3732, 0.2659, 0.3005 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 62.3732, 0.2659, 0.3005 by changing the saturation by 10% instead.

 62.3732, 0.2659,
0.3005

 62.3732, 0.2659,
0.3005

433.2911, 0.2878,
0.3143

 45.3343, 0.2609,
0.2972


 108.2647, 0.2735,
0.3054

 31.7208, 0.2546,
0.2931


 137.8862, 0.2765,
0.3073

 21.1484, 0.2467,
0.2877


172.4706, 0.2790,
0.3089

 13.2325, 0.2363,
0.2806


212.4024, 0.2812,
0.3102

 7.5888, 0.2222,
0.2706

258.0659, 0.2832,
0.3114

 3.8330, 0.2019,
0.2555

309.8456, 0.2849,

 1.5806, 0.1708,

0.3125

368.1259, 0.2864,
0.3134

0.2309

0.3445, 0.0388,
0.1637

0.0000, 0.0000,
0.0000

62.3732, 0.2659,
0.3005

62.3732, 0.2659,
0.3005

56.1295, 0.2511,
0.2894

69.2922, 0.2813,
0.3108

50.5247, 0.2372,
0.2775

76.9060, 0.2968,
0.3203

45.5296, 0.2246,
0.2651

85.2424, 0.3123,
0.3288

41.1091, 0.2137,
0.2524

93.1448, 0.3234,
0.3365

■ 37.2236, 0.2048,
0.2395

■ 98.0532, 0.3228,
0.3441

■ 33.8261, 0.1979,
0.2267

■ 98.9517, 0.3226,
0.3454

■ 30.9151, 0.1929,
0.2146

Harmonies

Analogous

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



62.3732, 0.2693, 0.3203



62.3732, 0.2659, 0.3005



62.3732, 0.2744, 0.2893

Triad

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



62.3732, 0.2659, 0.3005



62.3732, 0.3417, 0.3143



62.3732, 0.3313, 0.3729

Complementary

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



62.3732, 0.2659, 0.3005



57.7028, 0.3731, 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.



62.3732, 0.3517, 0.3693



62.3732, 0.2659, 0.3005



62.3732, 0.3581, 0.3349

Square

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



62.3732, 0.2659, 0.3005



62.3732, 0.3176, 0.2976



62.3732, 0.3618, 0.3550



62.3732, 0.3064, 0.3636

Rectangle

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



62.3732, 0.2659, 0.3005



62.3732, 0.2859, 0.2876



62.3732, 0.3618, 0.3550



62.3732, 0.3389, 0.3731

Sweetspot

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



62.3757, 0.2659, 0.3005



91.1315, 0.2987, 0.3214



72.8985, 0.2957, 0.3888



19.2131, 0.2965, 0.3201



0.0000, 0.0000, 0.0000



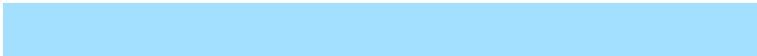
21.4041, 0.3127, 0.3290

Same Dimension

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



62.3757, 0.2659, 0.3005



68.5949, 0.2571, 0.2941



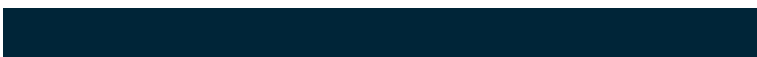
46.5688, 0.2609, 0.2570



16.9918, 0.2980, 0.3210



17.4987, 0.1935, 0.2165



1.6376, 0.1981, 0.2331

Inverse Universe

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



50.2779, 0.3363, 0.2771



52.9331, 0.3423, 0.2669



74.6493, 0.3622, 0.3919



15.9368, 0.3189, 0.3134



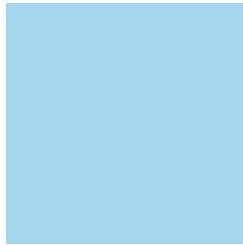
11.5599, 0.4270, 0.2126



0.9800, 0.4094, 0.2029

Previews

White Background



This preview shows how the Yxy color 62.3732, 0.2659, 0.3005 looks on a white background.

Color Contrast Check

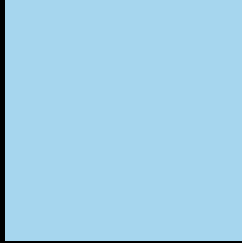
Large Text (above 18pt) WCAG AA × Fail

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 62.3732, 0.2659, 0.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

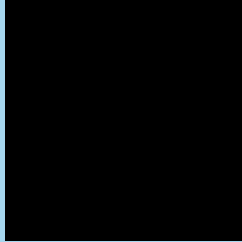
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.3732, 0.2659, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 62.3732, 0.2659, 0.3005.

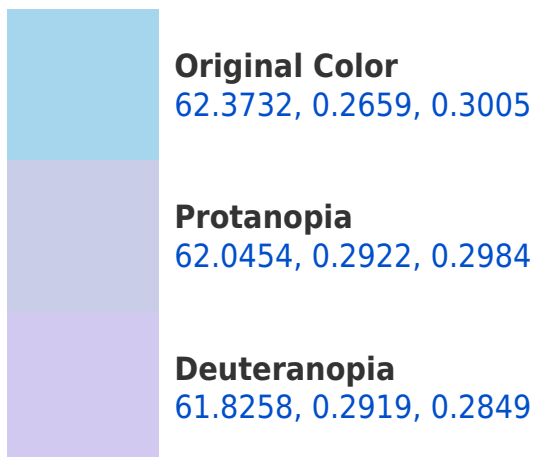


This preview shows how white text looks on a background with the Yxy color 62.3732, 0.2659, 0.3005.

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

62.4264, 0.2688, 0.3085

Trichromacy



Original Color

62.3732, 0.2659, 0.3005

Protanomaly

61.8711, 0.2821, 0.2989

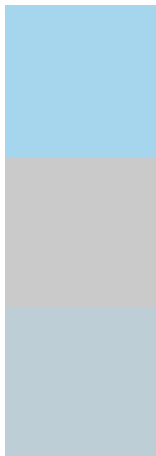
Deuteranomaly

61.9032, 0.2817, 0.2904

Tritanomaly

62.5407, 0.2677, 0.3062

Monochromacy



Original Color

62.3732, 0.2659, 0.3005

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

59.8677, 0.2941, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.3732, 0.2659, 0.3005 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(166, 214, 238)` looks like.

```
.text, #text, p{  
    color:rgb(166, 214, 238)  
}
```

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(166, 214, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 214, 238) }
```

Border

The CSS property to change the border of an element to Yxy 62.3732, 0.2659, 0.3005 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(166, 214, 238) }
```

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

```
.border{ border-color:rgb(166, 214, 238) }
```

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

Here you see how a box with a 4 pixel rgb(166, 214, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 214, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 214, 238);  
box-shadow:4px 4px 4px 4px rgb(166, 214,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 62.3732, 0.2659, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 214, 238) }
```

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

```
.background{ background-color: rgb(166,  
214, 238) }
```

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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