

Converting Colors

$Yxy(67.2758, 0.2731, 0.3083)$

Have a look what the booklet for
Yxy(67.2758, 0.2731, 0.3083)
contains.

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Color

Yxy(67.2920, 0.2728, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	B1DDEF
RGB	177, 221, 239
RGB Percent	69%, 87%, 94%
CMY	0.3059, 0.1333, 0.0629
CMYK	0.26, 0.08, 0.00, 0.06
HSL	197°, 66%, 82%
HSV	197°, 26%, 94%
XYZ	59.5628, 67.2920, 91.4839
YIQ	209.8960, -32.0020, -3.7300

Conversions

Conversions Part 2

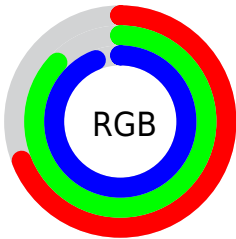
Format	Color
RYB	177, 203, 239
Decimal	11656687
CIELab	85.65, -10.28, -13.46
CIElCh	86, 16.937, 232.640
Yxy	67.2920, 0.2728, 0.3082
Android (android.graphics.Color)	4289846767 (0xFFB1DDEF)
YUV	209.8960, 14.3483, -28.8498
Hunter-Lab	82.0317, -13.9475, -8.6996

Details

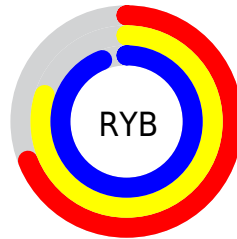
The Yxy color **67.2920, 0.2728, 0.3082** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60.5290, 0.3632, 0.3489**, and the grayscale version is **64.2969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **34.9023, 0.2635, 0.3030** is the 20% darker color. If you saturate the color by 10%, you get **61.1482, 0.2581, 0.2989**, and if you desaturate by 10%, it is **74.0834, 0.2881, 0.3168**.

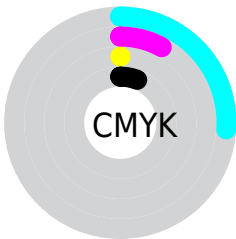
Distribution



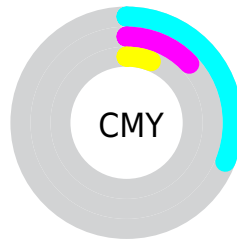
- Red (69%)
- Green (87%)
- Blue (94%)



- Red (69%)
- Yellow (80%)
- Blue (94%)



- Cyan (26%)
- Magenta (8%)
- Yellow (0%)
- Black (6%)




- Cyan (31%)
- Magenta (13%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.2920, 0.2728, 0.3082 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 67.2920, 0.2728, 0.3082 by changing the saturation by 10% instead.


 67.2920, 0.2728,
0.3082

 67.2920, 0.2728,
0.3082

450.9834, 0.2913,
0.3182

 49.3220, 0.2686,
0.3058


 115.3387, 0.2792,
0.3117

 34.8749, 0.2634,
0.3029


146.1842, 0.2817,
0.3131

 23.5666, 0.2568,
0.2991


182.0903, 0.2838,
0.3142

 15.0124, 0.2482,
0.2940

223.4413, 0.2857,
0.3152

 8.8281, 0.2366,
0.2869

270.6218, 0.2874,
0.3161

 4.6292, 0.2200,
0.2763

324.0160, 0.2888,

 2.0314, 0.1946,

0.3169

0.2590

384.0084, 0.2901,
0.3176

0.6256, 0.1249,
0.2273

0.0000, 0.0000,
0.0000

67.2920, 0.2728,
0.3082

67.2920, 0.2728,
0.3082

61.1482, 0.2581,
0.2989

74.0834, 0.2881,
0.3168

55.6164, 0.2442,
0.2889

81.5398, 0.3035,
0.3247

50.6696, 0.2316,
0.2784

89.6878, 0.3190,
0.3318

46.2750, 0.2205,
0.2675

95.0612, 0.3226,
0.3385

■ 42.3957, 0.2113,
0.2565

■ 99.0100, 0.3221,
0.3444

■ 38.9891, 0.2042,
0.2454

■ 36.0025, 0.1990,
0.2345

■ 34.8746, 0.1973,
0.2301

Harmonies

Analogous

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



67.2920, 0.2779, 0.3260



67.2920, 0.2728, 0.3082



67.2920, 0.2779, 0.2968

Triad

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



67.2920, 0.2728, 0.3082



67.2920, 0.3332, 0.3131



67.2920, 0.3327, 0.3661

Complementary

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



67.2920, 0.2728, 0.3082



60.5290, 0.3632, 0.3489

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.



67.2920, 0.3483, 0.3611



67.2920, 0.2728, 0.3082



67.2920, 0.3487, 0.3303

Square

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



67.2920, 0.2728, 0.3082



67.2920, 0.3123, 0.3001



67.2920, 0.3543, 0.3477



67.2920, 0.3120, 0.3605

Rectangle

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



67.2920, 0.2728, 0.3082



67.2920, 0.2866, 0.2940



67.2920, 0.3543, 0.3477



67.2920, 0.3387, 0.3656

Sweetspot

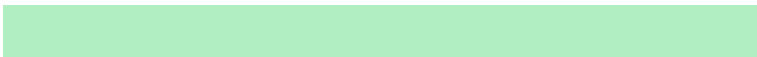
The Sweet Spot groups the original color and five complimentary colors.



67.2947, 0.2728, 0.3082



92.6203, 0.3003, 0.3231



74.9804, 0.2992, 0.3816



19.5399, 0.2980, 0.3219



0.0000, 0.0000, 0.0000



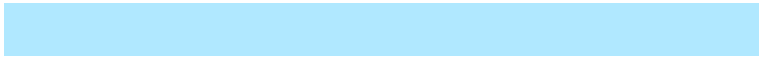
21.4041, 0.3127, 0.3290

Same Dimension

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



67.2947, 0.2728, 0.3082



74.2100, 0.2651, 0.3035



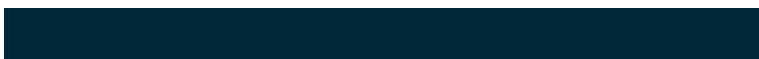
52.5876, 0.2694, 0.2713



17.1100, 0.2981, 0.3220



19.5150, 0.1977, 0.2318



1.7936, 0.2017, 0.2462

Inverse Universe

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



55.0090, 0.3300, 0.2821



58.1226, 0.3344, 0.2725



75.6621, 0.3552, 0.3807



15.9488, 0.3182, 0.3124



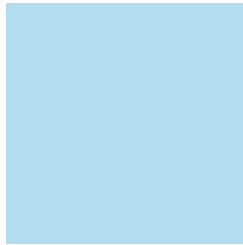
11.7634, 0.4107, 0.2036



0.9958, 0.3961, 0.1956

Previews

White Background



This preview shows how the Yxy color 67.2920, 0.2728, 0.3082 looks on a white background.

Color Contrast Check

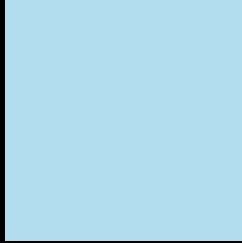
Large Text (above 18pt) WCAG AA × Fail

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 67.2920, 0.2728, 0.3082 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 67.2920, 0.2728, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 67.2920, 0.2728, 0.3082.



This preview shows how white text looks on a background with the Yxy color 67.2920, 0.2728, 0.3082.

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

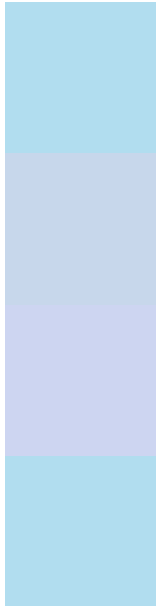




Tritanopia

67.2920, 0.2728, 0.3082

Trichromacy



Original Color

67.2920, 0.2728, 0.3082

Protanomaly

66.7411, 0.2886, 0.3065

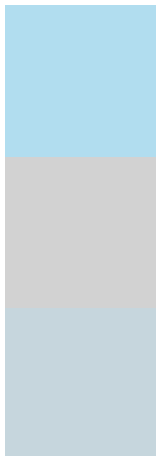
Deuteranomaly

66.9185, 0.2889, 0.2981

Tritanomaly

67.2920, 0.2728, 0.3082

Monochromacy



Original Color

67.2920, 0.2728, 0.3082

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.3194, 0.2967, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.2920, 0.2728, 0.3082 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(177, 221, 239)` looks like.

```
.text, #text, p{  
    color:rgb(177, 221, 239)  
}
```

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(177, 221, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 221, 239) }
```

Border

The CSS property to change the border of an element to Yxy 67.2920, 0.2728, 0.3082 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(177, 221, 239) }
```

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

```
.border{ border-color:rgb(177, 221, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 221, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 221, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 221, 239); box-shadow:4px 4px 4px 4px rgb(177, 221, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 67.2920, 0.2728, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 221, 239) }
```

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

```
.background{ background-color: rgb(177,  
221, 239) }
```

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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