

Converting Colors

$Yxy(77.0064, 0.2786, 0.3220)$

Have a look what the booklet for
Yxy(77.0064, 0.2786, 0.3220)
contains.

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Color

Yxy(76.9665, 0.2785, 0.3223)

Conversions

Conversions Part 1

Format	Color
Hex	BBECF2
RGB	187, 236, 242
RGB Percent	73%, 93%, 95%
CMY	0.2668, 0.0745, 0.0511
CMYK	0.23, 0.02, 0.00, 0.05
HSL	186°, 68%, 84%
HSV	186°, 23%, 95%
XYZ	66.5069, 76.9665, 95.3305
YIQ	222.0330, -31.1300, -8.5220

Conversions

Conversions Part 2

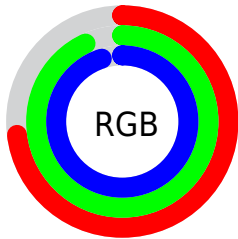
Format	Color
R _Y B	187, 213, 242
Decimal	12315890
CIE Lab	90.31, -14.32, -8.05
CIE LCh	90, 16.427, 209.325
Yxy	76.9665, 0.2785, 0.3223
Android (android.graphics.Color)	4290505970 (0xFFBBECF2)
YUV	222.0330, 9.8437, -30.7239
Hunter-Lab	87.7306, -18.2110, -3.0148

Details

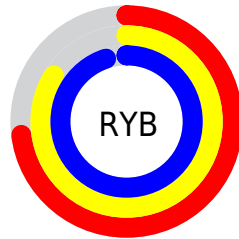
The Yxy color **76.9665, 0.2785, 0.3223** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.5674, 0.3581, 0.3356**, and the grayscale version is **73.0143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **41.1742, 0.2711, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **72.6731, 0.2648, 0.3190**, and if you desaturate by 10%, it is **81.8025, 0.2932, 0.3254**.

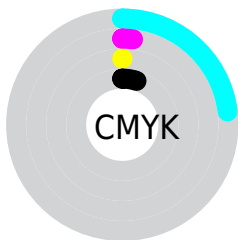
Distribution



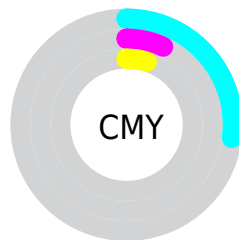
- Red (73%)
- Green (93%)
- Blue (95%)



- Red (73%)
- Yellow (84%)
- Blue (95%)



- Cyan (23%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)




- Cyan (27%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9665, 0.2785, 0.3223 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 76.9665, 0.2785, 0.3223 by changing the saturation by 10% instead.

 76.9665, 0.2785,
0.3223

 76.9665, 0.2785,
0.3223


484.6498, 0.2940,
0.3256

 57.2254, 0.2750,
0.3215


 129.0922, 0.2838,
0.3235

 41.1862, 0.2708,
0.3205


162.2456, 0.2859,
0.3239

 28.4646, 0.2655,
0.3192


200.6385, 0.2877,
0.3243

 18.6762, 0.2586,
0.3175

244.6553, 0.2893,
0.3246

 11.4365, 0.2495,
0.3150

294.6804, 0.2907,
0.3249

 6.3613, 0.2366,
0.3113

351.0983, 0.2919,

 3.0660, 0.2174,

0.3252

0.3051

414.2933, 0.2930,
0.3254

1.1663, 0.1849,
0.2935

0.0339, 0.0000,
0.0535

76.9665, 0.2785,
0.3223

76.9665, 0.2785,
0.3223

72.6731, 0.2648,
0.3190

81.8025, 0.2932,
0.3254

68.8869, 0.2524,
0.3155

87.1956, 0.3085,
0.3283

65.5831, 0.2415,
0.3118

92.2956, 0.3211,
0.3309

62.7308, 0.2324,
0.3080

93.8828, 0.3209,
0.3334

60.2952, 0.2252,
0.3042

95.4925, 0.3207,
0.3359

58.2365, 0.2200,
0.3004

97.1248, 0.3205,
0.3384

56.5061, 0.2166,
0.2967

98.7798, 0.3203,
0.3409

55.4008, 0.2150,
0.2940

99.1890, 0.3203,
0.3415

Harmonies

Analogous

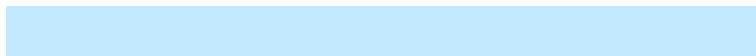
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9665, 0.2900, 0.3405



76.9665, 0.2785, 0.3223



76.9665, 0.2759, 0.3068

Triad

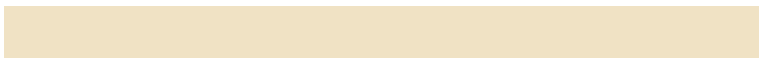
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9665, 0.2785, 0.3223



76.9665, 0.3168, 0.3043



76.9665, 0.3432, 0.3606

Complementary

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



76.9665, 0.2785, 0.3223



60.5674, 0.3581, 0.3356

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.



76.9665, 0.3510, 0.3497



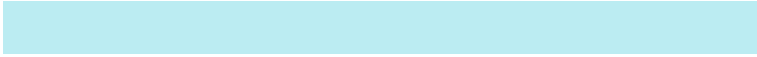
76.9665, 0.2785, 0.3223



76.9665, 0.3355, 0.3176

Square

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



76.9665, 0.2785, 0.3223



76.9665, 0.2975, 0.2971



76.9665, 0.3482, 0.3340



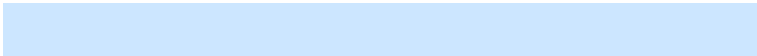
76.9665, 0.3272, 0.3631

Rectangle

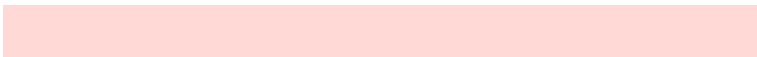
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



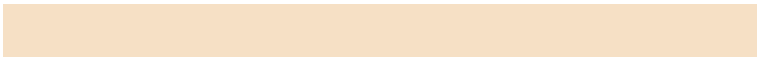
76.9665, 0.2785, 0.3223



76.9665, 0.2794, 0.2999



76.9665, 0.3482, 0.3340



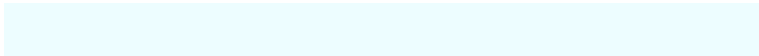
76.9665, 0.3468, 0.3577

Sweetspot

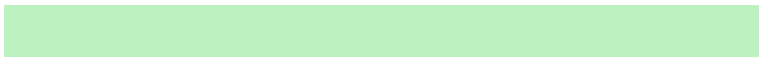
The Sweet Spot groups the original color and five complimentary colors.



76.9696, 0.2785, 0.3223



95.5432, 0.3018, 0.3271



77.8748, 0.3065, 0.3863



20.3711, 0.3009, 0.3269



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.



76.9696, 0.2785, 0.3223



84.5325, 0.2724, 0.3209



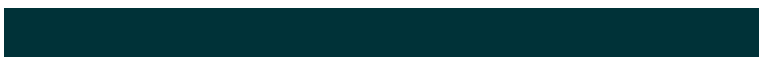
62.5577, 0.2761, 0.2912



17.6194, 0.2981, 0.3264



29.8936, 0.2152, 0.2946



2.5698, 0.2165, 0.2995

Inverse Universe

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



60.4583, 0.3198, 0.2782



63.1901, 0.3214, 0.2683



73.6302, 0.3518, 0.3641



16.0002, 0.3155, 0.3082



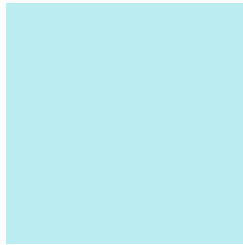
12.8111, 0.3502, 0.1703



1.0741, 0.3458, 0.1679

Previews

White Background



This preview shows how the Yxy color 76.9665, 0.2785, 0.3223 looks on a white background.

Color Contrast Check

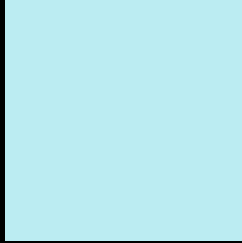
Large Text (above 18pt) WCAG AA × Fail

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 76.9665, 0.2785, 0.3223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

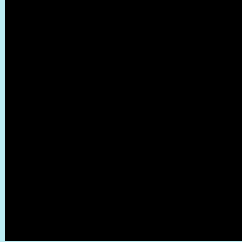
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

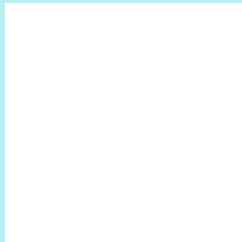
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9665, 0.2785, 0.3223

Background



This preview shows how black text looks on a background with the Yxy color 76.9665, 0.2785, 0.3223.

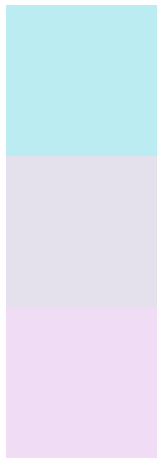


This preview shows how white text looks on a background with the Yxy color 76.9665, 0.2785, 0.3223.

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

76.9665, 0.2785, 0.3223

Protanopia

76.4005, 0.3077, 0.3175

Deuteranopia

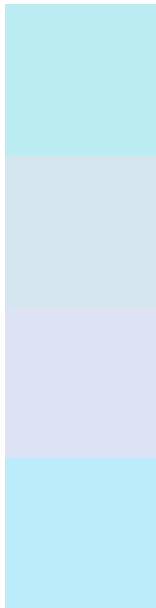
76.3042, 0.3104, 0.3036



Tritanopia

76.7563, 0.2736, 0.3082

Trichromacy



Original Color

76.9665, 0.2785, 0.3223

Protanomaly

76.3578, 0.2964, 0.3193

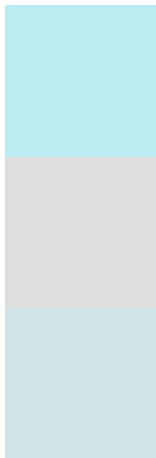
Deuteranomaly

76.2965, 0.2980, 0.3100

Tritanomaly

76.9476, 0.2752, 0.3135

Monochromacy



Original Color

76.9665, 0.2785, 0.3223

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

74.1506, 0.2993, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9665, 0.2785, 0.3223 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(187, 236, 242)` looks like.

```
.text, #text, p{  
    color:rgb(187, 236, 242)  
}
```

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(187, 236, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 236, 242) }
```

Border

The CSS property to change the border of an element to Yxy 76.9665, 0.2785, 0.3223 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(187, 236, 242) }
```

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

```
.border{ border-color:rgb(187, 236, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 236, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 236, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 236, 242); box-shadow:4px 4px 4px 4px rgb(187, 236, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9665, 0.2785, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 236, 242) }
```

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

```
.background{ background-color: rgb(187,  
236, 242) }
```

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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