

Converting Colors

$Yxy(77.9387, 0.2744, 0.3259)$

Have a look what the booklet for
Yxy(77.9387, 0.2744, 0.3259)
contains.

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Color

Yxy(77.7275, 0.2743, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	B3EFF2
RGB	179, 239, 242
RGB Percent	70%, 94%, 95%
CMY	0.2977, 0.0628, 0.0509
CMYK	0.26, 0.01, 0.00, 0.05
HSL	183°, 71%, 83%
HSV	183°, 26%, 95%
XYZ	65.5012, 77.7275, 95.5654
YIQ	221.4020, -36.7230, -11.7870

Conversions

Conversions Part 2

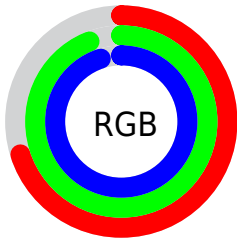
Format	Color
R_{YB}	179, 210, 242
Decimal	11792370
CIE _{Lab}	90.66, -18.08, -7.60
CIE _{LCh}	91, 19.609, 202.805
Yxy	77.7275, 0.2743, 0.3255
Android (android.graphics.Color)	4289982450 (0xFFB3EFF2)
YUV	221.4020, 10.1548, -37.1866
Hunter-Lab	88.1632, -21.6682, -2.5538

Details

The Yxy color **77.7275, 0.2743, 0.3255** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.6455, 0.3676, 0.3325**, and the grayscale version is **72.5649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5729, 0.3011, 0.3290**, and **41.6972, 0.2654, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **74.4134, 0.2614, 0.3240**, and if you desaturate by 10%, it is **81.5584, 0.2884, 0.3269**.

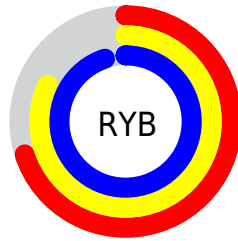
Distribution



Red (70%)

Green (94%)

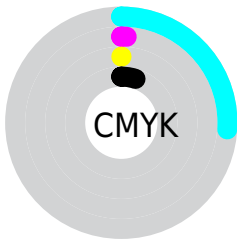
Blue (95%)



Red (70%)

Yellow (82%)

Blue (95%)

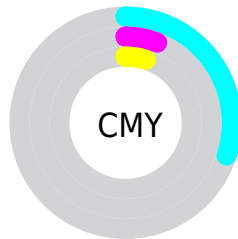


Cyan (26%)

Magenta (1%)

Yellow (0%)

Black (5%)



Cyan (30%)


Magenta (6%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7275, 0.2743, 0.3255 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 77.7275, 0.2743, 0.3255 by changing the saturation by 10% instead.

 77.7275, 0.2743,
0.3255

 77.7275, 0.2743,
0.3255

487.2409, 0.2917,
0.3274

 57.8502, 0.2704,
0.3250

 130.1659, 0.2802,
0.3262

 41.6882, 0.2657,
0.3244

163.4958, 0.2826,
0.3264

 28.8572, 0.2598,
0.3236


202.0786, 0.2846,
0.3267

 18.9728, 0.2522,
0.3224

246.2988, 0.2864,
0.3268

 11.6507, 0.2420,
0.3207

296.5407, 0.2879,
0.3270

 6.5063, 0.2279,
0.3181

353.1887, 0.2893,

 3.1553, 0.2069,

0.3271

416.6274, 0.2906,
0.3273

0.3134

1.2133, 0.1707,
0.3045

0.0726, 0.0000,
0.1062

77.7275, 0.2743,
0.3255

77.7275, 0.2743,
0.3255

74.4134, 0.2614,
0.3240

81.5584, 0.2884,
0.3269

71.5803, 0.2501,
0.3224

85.9213, 0.3034,
0.3283

69.2024, 0.2405,
0.3208

90.8421, 0.3190,
0.3295


67.2478, 0.2328,
0.3192

92.1607, 0.3211,
0.3306


 65.6804, 0.2270,
0.3175


 92.8630, 0.3210,
0.3317

 64.4581, 0.2232,
0.3159


 93.5698, 0.3209,
0.3329

 63.5284, 0.2210,
0.3143

 94.2810, 0.3208,
0.3340

 63.2054, 0.2205,
0.3137

 94.9967, 0.3208,
0.3351

 95.7169, 0.3207,
0.3362

Harmonies

Analogous

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



77.7275, 0.2898, 0.3471



77.7275, 0.2743, 0.3255



77.7275, 0.2688, 0.3059

Triad

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



77.7275, 0.2743, 0.3255



77.7275, 0.3123, 0.2973



77.7275, 0.3519, 0.3644

Complementary

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



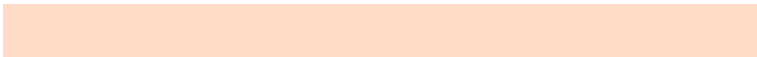
77.7275, 0.2743, 0.3255



55.6455, 0.3676, 0.3325

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.



77.7275, 0.3587, 0.3496



77.7275, 0.2743, 0.3255



77.7275, 0.3354, 0.3116

Square

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



77.7275, 0.2743, 0.3255



77.7275, 0.2902, 0.2906



77.7275, 0.3526, 0.3304



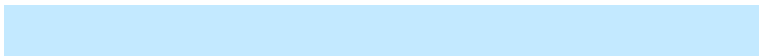
77.7275, 0.3346, 0.3700

Rectangle

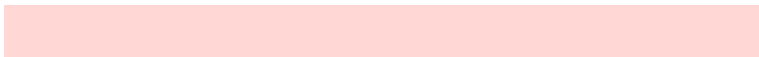
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7275, 0.2743, 0.3255



77.7275, 0.2714, 0.2966



77.7275, 0.3526, 0.3304



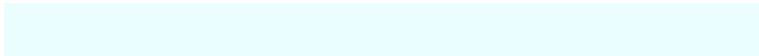
77.7275, 0.3555, 0.3603

Sweetspot

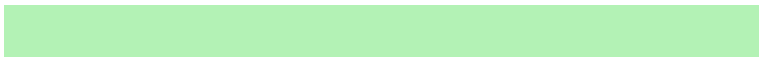
The Sweet Spot groups the original color and five complimentary colors.



77.7306, 0.2743, 0.3255



95.7089, 0.3003, 0.3280



76.4522, 0.3080, 0.4010



20.3226, 0.2980, 0.3278



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.



77.7306, 0.2743, 0.3255



85.5592, 0.2676, 0.3247



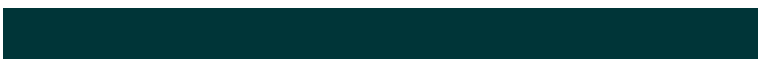
61.3418, 0.2710, 0.2901



17.7908, 0.2981, 0.3278



34.0096, 0.2205, 0.3139



2.8692, 0.2211, 0.3160

Inverse Universe

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



57.3891, 0.3181, 0.2671



59.2683, 0.3192, 0.2550



69.5520, 0.3594, 0.3650



16.0175, 0.3145, 0.3068



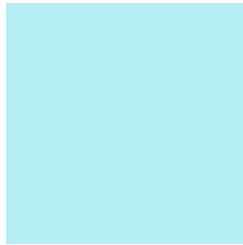
13.2266, 0.3333, 0.1610



1.1044, 0.3316, 0.1600

Previews

White Background



This preview shows how the Yxy color 77.7275, 0.2743, 0.3255 looks on a white background.

Color Contrast Check

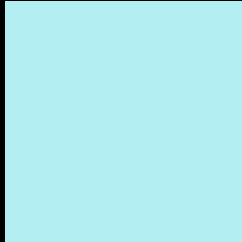
Large Text (above 18pt) WCAG AA × Fail

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 77.7275, 0.2743, 0.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

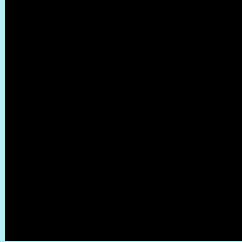
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7275, 0.2743, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 77.7275, 0.2743, 0.3255.

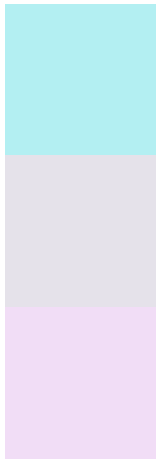


This preview shows how white text looks on a background with the Yxy color 77.7275, 0.2743, 0.3255.

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

77.7275, 0.2743, 0.3255

Protanopia

76.9912, 0.3097, 0.3206

Deuteranopia

77.0675, 0.3104, 0.3037



Tritanopia

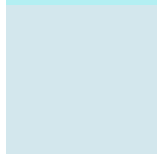
77.9787, 0.2701, 0.3093

Trichromacy



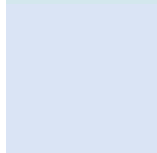
Original Color

77.7275, 0.2743, 0.3255



Protanomaly

77.1151, 0.2958, 0.3225



Deuteranomaly

76.9848, 0.2955, 0.3110



Tritanomaly

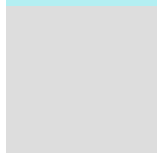
77.9963, 0.2717, 0.3157

Monochromacy



Original Color

77.7275, 0.2743, 0.3255



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.2658, 0.2973, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7275, 0.2743, 0.3255 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(179, 239, 242)` looks like.

```
.text, #text, p{  
    color:rgb(179, 239, 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(179, 239, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 239, 242) }
```

Border

The CSS property to change the border of an element to Yxy 77.7275, 0.2743, 0.3255 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(179, 239, 242) }
```

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

```
.border{ border-color:rgb(179, 239, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 239, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 239, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 239, 242);  
box-shadow:4px 4px 4px 4px rgb(179, 239,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7275, 0.2743, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 239, 242) }
```

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

```
.background{ background-color: rgb(179,  
239, 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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