

Converting Colors

$Yxy(75.4031, 0.2620, 0.3399)$

Have a look what the booklet for
Yxy(75.4031, 0.2620, 0.3399)
contains.

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Color

Yxy(75.4072, 0.2617, 0.3395)

Conversions

Conversions Part 1

Format	Color
Hex	91F2E9
RGB	145, 242, 233
RGB Percent	57%, 95%, 91%
CMY	0.4316, 0.0509, 0.0863
CMYK	0.40, 0.00, 0.04, 0.05
HSL	174°, 79%, 76%
HSV	174°, 40%, 95%
XYZ	58.1268, 75.4072, 88.5785
YIQ	211.9710, -54.9230, -23.3630

Conversions

Conversions Part 2

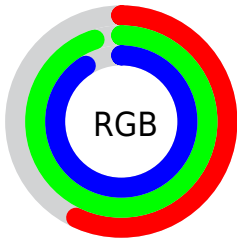
Format	Color
R_{YB}	145, 196, 242
Decimal	9564905
CIE _{Lab}	89.58, -30.69, -4.66
CIE _{LCh}	90, 31.046, 188.639
Y _{xy}	75.4072, 0.2617, 0.3395
Android (android.graphics.Color)	4287754985 (0xFF91F2E9)
YUV	211.9710, 10.3673, -58.7336
Hunter-Lab	86.8373, -32.4816, 0.3073

Details

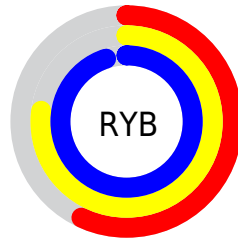
The Yxy color **75.4072, 0.2617, 0.3395** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.4407, 0.4050, 0.3193**, and the grayscale version is **65.7662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **40.3668, 0.2508, 0.3429** is the 20% darker color. If you saturate the color by 10%, you get **73.3145, 0.2523, 0.3425**, and if you desaturate by 10%, it is **77.9757, 0.2727, 0.3366**.

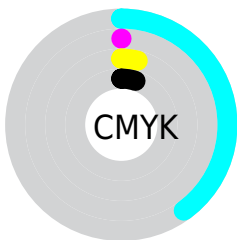
Distribution



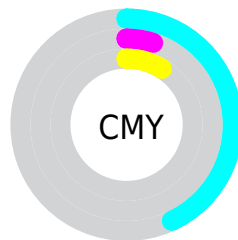
- Red (57%)
- Green (95%)
- Blue (91%)



- Red (57%)
- Yellow (77%)
- Blue (95%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)




- Cyan (43%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4072, 0.2617, 0.3395 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 75.4072, 0.2617, 0.3395 by changing the saturation by 10% instead.


 75.4072, 0.2617,
0.3395


 75.4072, 0.2617,
0.3395


479.3160, 0.2849,
0.3350

 55.9465, 0.2565,
0.3404


 126.8886, 0.2697,
0.3380

 40.1601, 0.2502,
0.3416

 159.6781, 0.2728,
0.3374

 27.6634, 0.2422,
0.3429


197.6794, 0.2755,
0.3369

 18.0721, 0.2320,
0.3445

241.2769, 0.2778,
0.3364

 11.0017, 0.2183,
0.3465

290.8549, 0.2799,
0.3360

 6.0680, 0.1993,
0.3490

346.7978, 0.2818,

 2.8865, 0.1711,

0.3356

0.3518

409.4900, 0.2834,
0.3353

■ 1.0728, 0.0890,
0.3685

■ 0.0000, 0.0000,
0.0000

■ 75.4072, 0.2617,
0.3395

■ 75.4072, 0.2617,
0.3395

■ 73.3145, 0.2523,
0.3425

■ 77.9757, 0.2727,
0.3366

■ 71.6585, 0.2446,
0.3457


■ 81.0384, 0.2851,
0.3339


■ 70.4089, 0.2389,
0.3489

■ 84.6235, 0.2984,
0.3313

■ 69.5272, 0.2352,
0.3521

■ 88.7546, 0.3125,
0.3290

 68.9679, 0.2333,
0.3553

 91.3200, 0.3199,
0.3269

 68.6564, 0.2329,
0.3584

 91.4576, 0.3185,
0.3247

 91.5969, 0.3171,
0.3225

 91.7379, 0.3157,
0.3204

 91.8805, 0.3144,
0.3182

Harmonies

Analogous

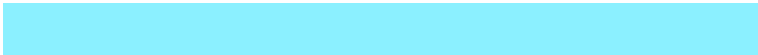
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4072, 0.2914, 0.3733



75.4072, 0.2617, 0.3395



75.4072, 0.2458, 0.3047

Triad

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



75.4072, 0.2617, 0.3395



75.4072, 0.2942, 0.2731



75.4072, 0.3830, 0.3744

Complementary

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



75.4072, 0.2617, 0.3395



41.4407, 0.4050, 0.3193

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.



75.4072, 0.3847, 0.3463



75.4072, 0.2617, 0.3395



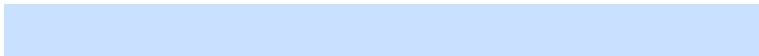
75.4072, 0.3316, 0.2900

Square

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



75.4072, 0.2617, 0.3395



75.4072, 0.2636, 0.2690



75.4072, 0.3655, 0.3161



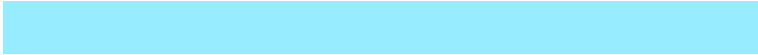
75.4072, 0.3618, 0.3926

Rectangle

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



75.4072, 0.2617, 0.3395



75.4072, 0.2444, 0.2865



75.4072, 0.3655, 0.3161



75.4072, 0.3860, 0.3657

Sweetspot

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



75.4102, 0.2617, 0.3395



94.4695, 0.2958, 0.3318



72.4888, 0.3127, 0.4505



20.1031, 0.2940, 0.3321



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.



75.4102, 0.2617, 0.3395



82.9832, 0.2540, 0.3419



55.2227, 0.2500, 0.2812



17.9022, 0.2993, 0.3312



36.8882, 0.2328, 0.3579



3.0761, 0.2316, 0.3537

Inverse Universe

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



41.4407, 0.4050, 0.3193



39.9385, 0.4342, 0.3176



55.1053, 0.3968, 0.3718



15.7827, 0.3279, 0.3268



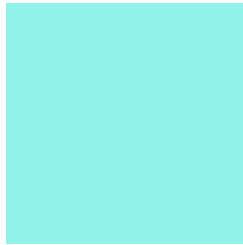
10.1817, 0.6295, 0.3241



0.8551, 0.6061, 0.3113

Previews

White Background



This preview shows how the Yxy color 75.4072, 0.2617, 0.3395 looks on a white background.

Color Contrast Check

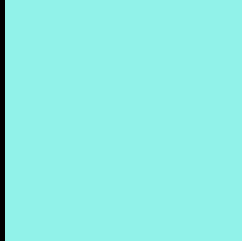
Large Text (above 18pt) WCAG AA × Fail

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 75.4072, 0.2617, 0.3395 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 75.4072, 0.2617, 0.3395

Background



This preview shows how black text looks on a background with the Yxy color 75.4072, 0.2617, 0.3395.

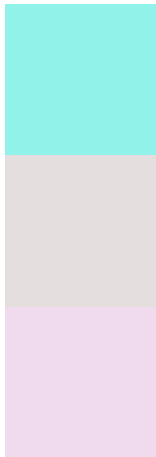


This preview shows how white text looks on a background with the Yxy color 75.4072, 0.2617, 0.3395.

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

75.4072, 0.2617, 0.3395

Protanopia

74.5433, 0.3169, 0.3301

Deuteranopia

74.6666, 0.3144, 0.3085



Tritanopia

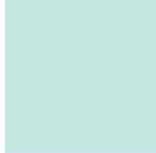
75.1593, 0.2571, 0.3085

Trichromacy



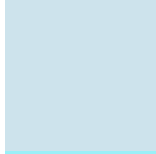
Original Color

75.4072, 0.2617, 0.3395



Protanomaly

74.0904, 0.2939, 0.3334



Deuteranomaly

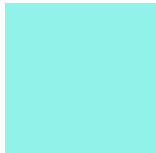
73.9734, 0.2924, 0.3191



Tritanomaly

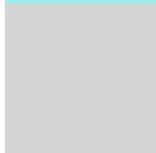
75.3184, 0.2588, 0.3197

Monochromacy



Original Color

75.4072, 0.2617, 0.3395



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.6340, 0.2908, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4072, 0.2617, 0.3395 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(145, 242, 233)` looks like.

```
.text, #text, p{  
    color:rgb(145, 242, 233)  
}
```

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(145, 242, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 242, 233) }
```

Border

The CSS property to change the border of an element to Yxy 75.4072, 0.2617, 0.3395 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(145, 242, 233) }
```

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

```
.border{ border-color:rgb(145, 242, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 242, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 242, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 242, 233); box-shadow:4px 4px 4px 4px rgb(145, 242, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4072, 0.2617, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 242, 233) }
```

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

```
.background{ background-color: rgb(145,  
242, 233) }
```

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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