

Converting Colors

$Yxy(65.6317, 0.2273, 0.3052)$

Have a look what the booklet for
Yxy(65.6317, 0.2273, 0.3052)
contains.

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Color

Yxy(65.6317, 0.2273, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	4DE7FA
RGB	77, 231, 250
RGB Percent	30%, 91%, 98%
CMY	0.6988, 0.0940, 0.0196
CMYK	0.69, 0.08, 0.00, 0.02
HSL	187°, 95%, 64%
HSV	187°, 69%, 98%
XYZ	48.8797, 65.6317, 100.5335
YIQ	187.1200, -97.8830, -26.7390

Conversions

Conversions Part 2

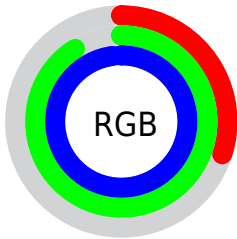
Format	Color
RYB	77, 158, 250
Decimal	5105658
CIELab	84.81, -33.93, -20.94
CIELCh	85, 39.872, 211.687
Yxy	65.6317, 0.2273, 0.3052
Android (android.graphics.Color)	4283295738 (0xFF4DE7FA)
YUV	187.1200, 30.9998, -96.5752
Hunter-Lab	81.0134, -34.0749, -16.8665

Details

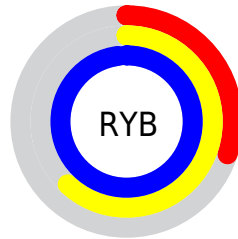
The Yxy color **65.6317, 0.2273, 0.3052** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **29.1853, 0.5325, 0.3460**, and the grayscale version is **49.6009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **34.5550, 0.2161, 0.2979** is the 20% darker color. If you saturate the color by 10%, you get **63.2672, 0.2214, 0.3013**, and if you desaturate by 10%, it is **68.4240, 0.2352, 0.3091**.

Distribution



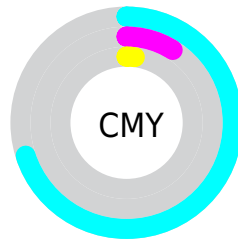
- Red (30%)
- Green (91%)
- Blue (98%)



- Red (30%)
- Yellow (62%)
- Blue (98%)



- Cyan (69%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)





- Cyan (70%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.6317, 0.2273, 0.3052 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 65.6317, 0.2273, 0.3052 by changing the saturation by 10% instead.


 65.6317, 0.2273,
0.3052

 65.6317, 0.2273,
0.3052

445.0586, 0.2661,
0.3177

 47.9735, 0.2187,
0.3020


 112.9576, 0.2406,
0.3098


 33.8059, 0.2082,
0.2979


 143.3940, 0.2458,
0.3115

 22.7445, 0.1953,
0.2925


 178.8586, 0.2503,
0.3129

 14.4050, 0.1788,
0.2851

 219.7359, 0.2543,
0.3142

 8.4029, 0.1574,
0.2743

266.4101, 0.2577,
0.3152

 4.3538, 0.1288,
0.2578

319.2657, 0.2608,

 1.8734, 0.0898,

0.3161

0.2304

378.6870, 0.2636,
0.3170

■ 0.5323, 0.0000,
0.1757

■ 0.0000, 0.0000,
0.0000

■ 65.6317, 0.2273,
0.3052

■ 65.6317, 0.2273,
0.3052

■ 63.2672, 0.2214,
0.3013

■ 68.4240, 0.2352,
0.3091

■ 61.2744, 0.2174,
0.2975

■ 71.6780, 0.2449,
0.3128

■ 59.5813, 0.2150,
0.2937

■ 75.4321, 0.2564,
0.3165

■ 59.4637, 0.2149,
0.2935

■ 79.7187, 0.2693,
0.3200

84.5672, 0.2834,
0.3233

90.0049, 0.2984,
0.3264

96.0573, 0.3139,
0.3292

98.3742, 0.3157,
0.3318

99.6821, 0.3156,
0.3338

Harmonies

Analogous

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



65.6317, 0.2523, 0.3542



65.6317, 0.2273, 0.3052



65.6317, 0.2234, 0.2686

Triad

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



65.6317, 0.2273, 0.3052



65.6317, 0.3257, 0.2714



65.6317, 0.3862, 0.4096

Complementary

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



65.6317, 0.2273, 0.3052



29.1853, 0.5325, 0.3460

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.



65.6317, 0.4101, 0.3797



65.6317, 0.2273, 0.3052



65.6317, 0.3744, 0.3027

Square

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



65.6317, 0.2273, 0.3052



65.6317, 0.2769, 0.2529



65.6317, 0.4062, 0.3411



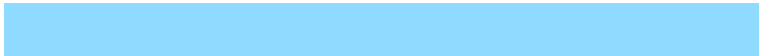
65.6317, 0.3433, 0.4189

Rectangle

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



65.6317, 0.2273, 0.3052



65.6317, 0.2327, 0.2548



65.6317, 0.4062, 0.3411



65.6317, 0.3968, 0.4013

Sweetspot

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



65.6341, 0.2273, 0.3052



87.5322, 0.2809, 0.3228



70.7519, 0.2969, 0.5351



18.4288, 0.2769, 0.3219



0.0000, 0.0000, 0.0000



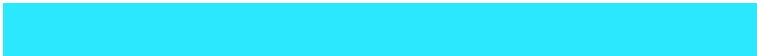
21.4041, 0.3127, 0.3290

Same Dimension

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



65.6341, 0.2273, 0.3052



65.3432, 0.2196, 0.2999



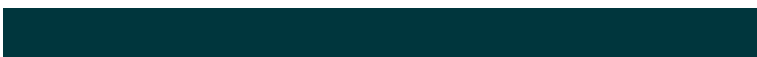
29.0567, 0.1985, 0.1886



19.2644, 0.2980, 0.3263



31.6729, 0.2150, 0.2941



3.0235, 0.2163, 0.2986

Inverse Universe

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



31.3760, 0.3392, 0.1884



28.8283, 0.3449, 0.1755



53.7932, 0.4564, 0.4291



17.4899, 0.3155, 0.3081



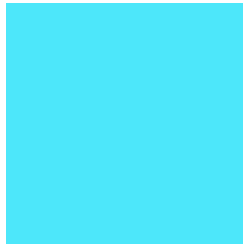
13.6083, 0.3507, 0.1705



1.2694, 0.3466, 0.1683

Previews

White Background



This preview shows how the Yxy color 65.6317, 0.2273, 0.3052 looks on a white background.

Color Contrast Check

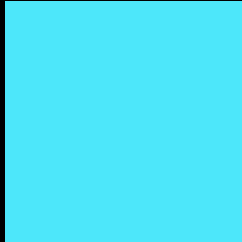
Large Text (above 18pt) WCAG AA × Fail

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 65.6317, 0.2273, 0.3052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

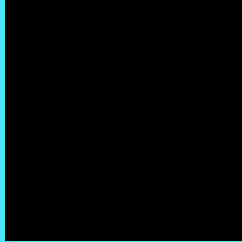
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.6317, 0.2273, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 65.6317, 0.2273, 0.3052.

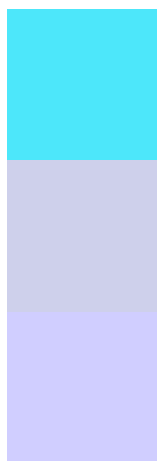


This preview shows how white text looks on a background with the Yxy color 65.6317, 0.2273, 0.3052.

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

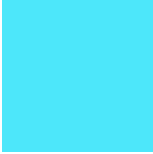
65.6317, 0.2273, 0.3052

Protanopia

64.2317, 0.2932, 0.2989

Deuteranopia

64.7725, 0.2820, 0.2762



Tritanopia

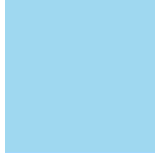
65.6317, 0.2273, 0.3052

Trichromacy



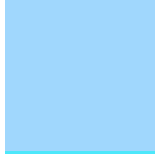
Original Color

65.6317, 0.2273, 0.3052



Protanomaly

62.7739, 0.2611, 0.3003



Deuteranomaly

63.1663, 0.2548, 0.2847



Tritanomaly

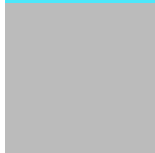
65.6317, 0.2273, 0.3052

Monochromacy



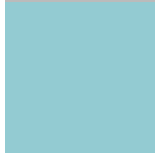
Original Color

65.6317, 0.2273, 0.3052



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

53.5681, 0.2687, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.6317, 0.2273, 0.3052 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(77, 231, 250)` looks like.

```
.text, #text, p{  
    color:rgb(77, 231, 250)  
}
```

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(77, 231, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 231, 250) }
```

Border

The CSS property to change the border of an element to Yxy 65.6317, 0.2273, 0.3052 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(77, 231, 250) }
```

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

```
.border{ border-color:rgb(77, 231, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 231, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 231, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 231, 250);  
box-shadow:4px 4px 4px 4px rgb(77, 231,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 65.6317, 0.2273, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 231, 250) }
```

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

```
.background{ background-color: rgb(77, 231,  
250) }
```

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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