

Converting Colors

$Yxy(64.7616, 0.2376, 0.3219)$

Have a look what the booklet for
Yxy(64.7616, 0.2376, 0.3219)
contains.

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Color

Yxy(64.9715, 0.2378, 0.3225)

Conversions

Conversions Part 1

Format	Color
Hex	5EE6EB
RGB	94, 230, 235
RGB Percent	37%, 90%, 92%
CMY	0.6311, 0.0980, 0.0786
CMYK	0.60, 0.02, 0.00, 0.08
HSL	182°, 78%, 65%
HSV	182°, 60%, 92%
XYZ	47.9077, 64.9715, 88.5828
YIQ	189.9060, -82.6610, -27.2770

Conversions

Conversions Part 2

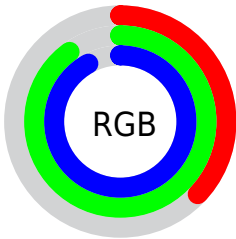
Format	Color
RYB	94, 163, 235
Decimal	6219499
CIELab	84.47, -35.14, -13.48
CIELCh	84, 37.638, 200.993
Yxy	64.9715, 0.2378, 0.3225
Android (android.graphics.Color)	4284409579 (0xFF5EE6EB)
YUV	189.9060, 22.2313, -84.1096
Hunter-Lab	80.6049, -34.9668, -8.7349

Details

The Yxy color **64.9715, 0.2378, 0.3225** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **27.3920, 0.4976, 0.3346**, and the grayscale version is **51.3497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0091, 0.2596, 0.3288**, and **33.5268, 0.2223, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **63.4551, 0.2310, 0.3213**, and if you desaturate by 10%, it is **66.8730, 0.2465, 0.3237**.

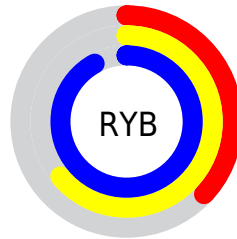
Distribution



Red (37%)

Green (90%)

Blue (92%)



Red (37%)

Yellow (64%)

Blue (92%)

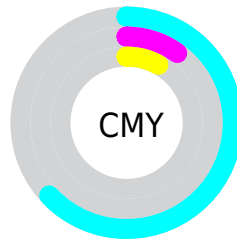


Cyan (60%)

Magenta (2%)

Yellow (0%)

Black (8%)



Cyan (63%)


Magenta (10%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9715, 0.2378, 0.3225 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 64.9715, 0.2378, 0.3225 by changing the saturation by 10% instead.


 64.9715, 0.2378,
0.3225


 64.9715, 0.2378,
0.3225


442.6895, 0.2722,
0.3266

 47.4380, 0.2300,
0.3213


 112.0089, 0.2497,
0.3241

 33.3820, 0.2205,
0.3197


 142.2815, 0.2543,
0.3247

 22.4193, 0.2086,
0.3174


 177.5693, 0.2583,
0.3252

 14.1653, 0.1933,
0.3141

 218.2567, 0.2618,
0.3255

 8.2357, 0.1730,
0.3089

264.7280, 0.2649,
0.3259

 4.2461, 0.1452,
0.2999

317.3676, 0.2676,

 1.8122, 0.1040,

0.3261

0.2835

376.5600, 0.2700,
0.3264

■ 0.4948, 0.0000,
0.2385

■ 0.0000, 0.0000,
0.0000

■ 64.9715, 0.2378,
0.3225

■ 64.9715, 0.2378,
0.3225

■ 63.4551, 0.2310,
0.3213

■ 66.8730, 0.2465,
0.3237

■ 62.2809, 0.2262,
0.3201


■ 69.1833, 0.2571,
0.3249

■ 61.4091, 0.2232,
0.3190

■ 71.9327, 0.2692,
0.3260

■ 60.7680, 0.2216,
0.3178


■ 75.1467, 0.2828,
0.3271


 60.7661, 0.2216,
0.3178

 78.8487, 0.2974,
0.3281

 83.0605, 0.3128,
0.3290

 87.1267, 0.3262,
0.3299

 87.6035, 0.3261,
0.3307

 88.0824, 0.3261,
0.3315

Harmonies

Analogous

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



64.9715, 0.2682, 0.3693



64.9715, 0.2378, 0.3225



64.9715, 0.2267, 0.2824

Triad

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



64.9715, 0.2378, 0.3225



64.9715, 0.3079, 0.2663



64.9715, 0.3932, 0.3973

Complementary

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



64.9715, 0.2378, 0.3225



27.3920, 0.4976, 0.3346

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.



64.9715, 0.4069, 0.3649



64.9715, 0.2378, 0.3225



64.9715, 0.3557, 0.2923

Square

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



64.9715, 0.2378, 0.3225



64.9715, 0.2647, 0.2540



64.9715, 0.3932, 0.3273



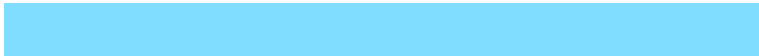
64.9715, 0.3578, 0.4139

Rectangle

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



64.9715, 0.2378, 0.3225



64.9715, 0.2307, 0.2646



64.9715, 0.3932, 0.3273



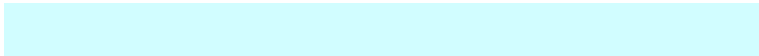
64.9715, 0.4006, 0.3876

Sweetspot

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



64.9740, 0.2378, 0.3225



91.2835, 0.2854, 0.3273



62.6738, 0.3018, 0.5173



19.2766, 0.2813, 0.3270



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.



64.9740, 0.2378, 0.3225



76.0411, 0.2297, 0.3210



33.4558, 0.2159, 0.2246



17.0256, 0.2981, 0.3281



33.8731, 0.2217, 0.3180



2.6883, 0.2221, 0.3196

Inverse Universe

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



31.3849, 0.3242, 0.1936



32.6283, 0.3263, 0.1759



46.9180, 0.4414, 0.4101



15.3041, 0.3143, 0.3066



12.9123, 0.3299, 0.1591



1.0168, 0.3286, 0.1584

Previews

White Background



This preview shows how the Yxy color 64.9715, 0.2378, 0.3225 looks on a white background.

Color Contrast Check

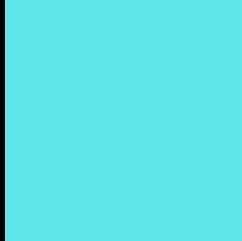
Large Text (above 18pt) WCAG AA × Fail

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 64.9715, 0.2378, 0.3225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

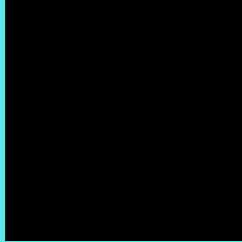
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9715, 0.2378, 0.3225

Background



This preview shows how black text looks on a background with the Yxy color 64.9715, 0.2378, 0.3225.

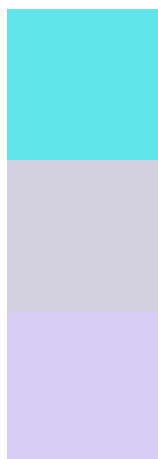


This preview shows how white text looks on a background with the Yxy color 64.9715, 0.2378, 0.3225.

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

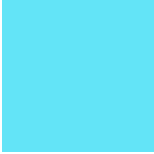
64.9715, 0.2378, 0.3225

Protanopia

63.8875, 0.3045, 0.3143

Deuteranopia

63.9837, 0.2956, 0.2887



Tritanopia

64.8549, 0.2339, 0.3053

Trichromacy



Original Color

64.9715, 0.2378, 0.3225



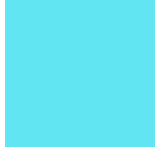
Protanomaly

62.8182, 0.2735, 0.3169



Deuteranomaly

62.4784, 0.2682, 0.2984



Tritanomaly

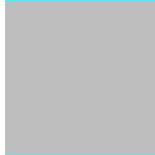
65.0511, 0.2351, 0.3113

Monochromacy



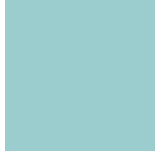
Original Color

64.9715, 0.2378, 0.3225



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

55.0874, 0.2765, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9715, 0.2378, 0.3225 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(94, 230, 235)` looks like.

```
.text, #text, p{  
    color:rgb(94, 230, 235)  
}
```

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(94, 230, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 230, 235) }
```

Border

The CSS property to change the border of an element to Yxy 64.9715, 0.2378, 0.3225 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(94, 230, 235) }
```

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

```
.border{ border-color:rgb(94, 230, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 230, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 230, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 230, 235);  
box-shadow:4px 4px 4px 4px rgb(94, 230,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9715, 0.2378, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 230, 235) }
```

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

```
.background{ background-color: rgb(94, 230,  
235) }
```

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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