

# Converting Colors

$Y_{xy}(75.1414, 0.2528, 0.3222)$

Have a look what the booklet for  
Yxy(75.1414, 0.2528, 0.3222)  
contains.

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# Color

**Yxy(75.2014, 0.2528, 0.3218)**

# Conversions

Conversions Part 1	
Format	Color
Hex	8CF1F7
RGB	140, 241, 247
RGB Percent	55%, 95%, 97%
CMY	0.4505, 0.0550, 0.0313
CMYK	0.43, 0.02, 0.00, 0.03
HSL	183°, 87%, 76%
HSV	183°, 43%, 97%
XYZ	59.0768, 75.2014, 99.4117
YIQ	211.4850, -62.1220, -19.5460

# Conversions

## Conversions Part 2

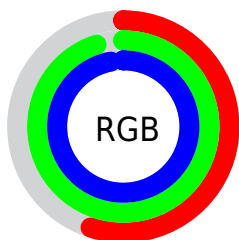
Format	Color
<a href="#">RYB</a>	<a href="#">140, 192, 247</a>
Decimal	<a href="#">9236983</a>
CIELab	<a href="#">89.49, -27.98, -12.15</a>
CIELCh	<a href="#">89, 30.504, 203.472</a>
Yxy	<a href="#">75.2014, 0.2528, 0.3218</a>
Android (android.graphics.Color)	<a href="#">4287427063</a> (0xFF8CF1F7)
YUV	<a href="#">211.4850, 17.5089, -62.6923</a>
Hunter-Lab	<a href="#">86.7187, -30.1554, -7.2651</a>

# Details

The Yxy color **75.2014, 0.2528, 0.3218** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.2836, 0.4242, 0.3358**, and the grayscale version is **65.4129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **40.2088, 0.2396, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **72.4690, 0.2426, 0.3199**, and if you desaturate by 10%, it is **78.4278, 0.2647, 0.3236**.

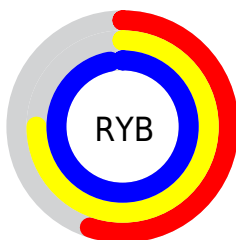
# Distribution



Red (55%)

Green (95%)

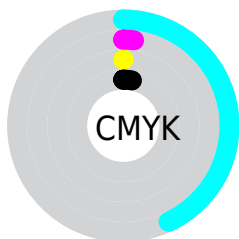
Blue (97%)



Red (55%)

Yellow (75%)

Blue (97%)

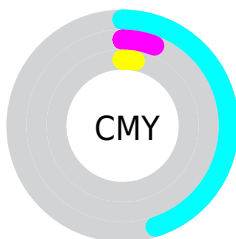


Cyan (43%)

Magenta (2%)

Yellow (0%)

Black (3%)



Cyan (45%)

Magenta (6%)

Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2014, 0.2528, 0.3218 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 75.2014, 0.2528, 0.3218 by changing the saturation by 10% instead.




 75.2014, 0.2528,  
0.3218

 75.2014, 0.2528,  
0.3218


478.6095, 0.2798,  
0.3258

 55.7779, 0.2468,  
0.3208


 126.5974, 0.2620,  
0.3233

 40.0249, 0.2395,  
0.3194


 159.3387, 0.2656,  
0.3238

 27.5579, 0.2305,  
0.3176


197.2881, 0.2688,  
0.3243

 17.9927, 0.2189,  
0.3150

240.8299, 0.2715,  
0.3247

 10.9447, 0.2037,  
0.3112

290.3485, 0.2740,  
0.3250

 6.0297, 0.1828,  
0.3052

346.2284, 0.2761,

 2.8631, 0.1528,


0.3253


0.2947


408.8540, 0.2781,  
0.3255


 1.0607, 0.0834,  
0.2808


 0.0000, 0.0000,  
0.0000

 75.2014, 0.2528,  
0.3218


 75.2014, 0.2528,  
0.3218


 72.4690, 0.2426,  
0.3199

 78.4278, 0.2647,  
0.3236


 70.1891, 0.2343,  
0.3180


 82.1688, 0.2780,  
0.3254


 68.3280, 0.2279,  
0.3160


 86.4548, 0.2924,  
0.3270


 66.8433, 0.2234,  
0.3141


 91.3109, 0.3076,  
0.3285

 65.6836, 0.2208,  
0.3122

 95.0854, 0.3178,  
0.3299

 65.0349, 0.2197,  
0.3110

 95.9461, 0.3177,  
0.3313

 96.8132, 0.3176,  
0.3326

 97.6867, 0.3175,  
0.3339

 98.5667, 0.3174,  
0.3352

# Harmonies

## Analogous

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



75.2014, 0.2759, 0.3571



75.2014, 0.2528, 0.3218



75.2014, 0.2451, 0.2914

# Triad

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



75.2014, 0.2528, 0.3218



75.2014, 0.3124, 0.2808



75.2014, 0.3736, 0.3842

# Complementary

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



75.2014, 0.2528, 0.3218



42.2836, 0.4242, 0.3358

# 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.



75.2014, 0.3853, 0.3605



75.2014, 0.2528, 0.3218



75.2014, 0.3489, 0.3025

# Square

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



75.2014, 0.2528, 0.3218



75.2014, 0.2779, 0.2702



75.2014, 0.3762, 0.3309



75.2014, 0.3455, 0.3943

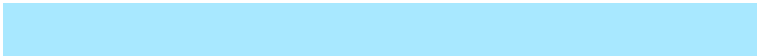


# Rectangle

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



75.2014, 0.2528, 0.3218



75.2014, 0.2492, 0.2778



75.2014, 0.3762, 0.3309



75.2014, 0.3797, 0.3774

# Sweetspot

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



75.2043, 0.2528, 0.3218



93.0574, 0.2927, 0.3271



74.1791, 0.3038, 0.4575



19.6883, 0.2895, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

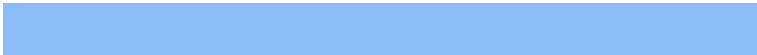
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2043, 0.2528, 0.3218



78.2224, 0.2437, 0.3201



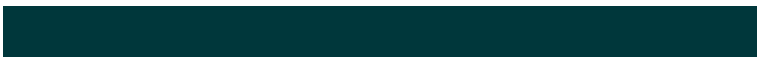
48.3681, 0.2416, 0.2560



18.5880, 0.2981, 0.3276



34.4609, 0.2198, 0.3113



3.0768, 0.2205, 0.3137



# Inverse Universe

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



44.9216, 0.3229, 0.2279



42.0246, 0.3252, 0.2099



62.4845, 0.3980, 0.3916



16.7512, 0.3147, 0.3070



13.5782, 0.3356, 0.1622

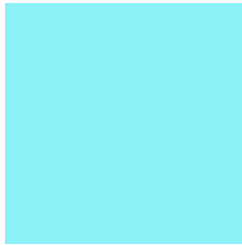


1.1982, 0.3336, 0.1611



# Previews

## White Background



This preview shows how the Yxy color 75.2014, 0.2528, 0.3218 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

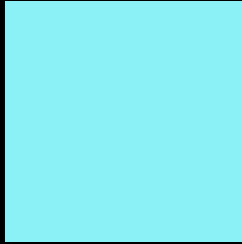
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2014, 0.2528, 0.3218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

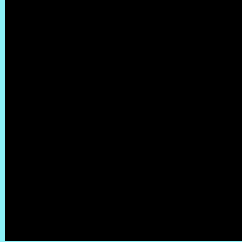
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.2014, 0.2528, 0.3218**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2014, 0.2528, 0.3218.

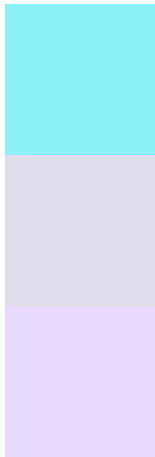


This preview shows how white text looks on a background with the Yxy color 75.2014, 0.2528, 0.3218.

# 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

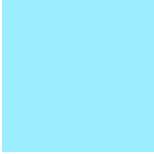
75.2014, 0.2528, 0.3218

### Protanopia

74.1460, 0.3051, 0.3141

### Deuteranopia

74.3269, 0.3005, 0.2941



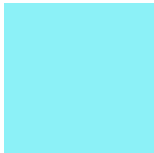
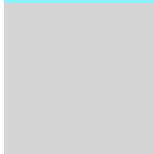
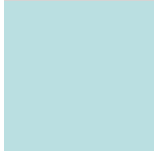
## **Tritanopia**

75.3376, 0.2554, 0.3096

# Trichromacy

	<b>Original Color</b> 75.2014, 0.2528, 0.3218
	<b>Protanomaly</b> 73.7992, 0.2832, 0.3167
	<b>Deuteranomaly</b> 73.4370, 0.2805, 0.3029
	<b>Tritanomaly</b> 75.2453, 0.2546, 0.3140

# Monochromacy

	<b>Original Color</b> 75.2014, 0.2528, 0.3218
	<b>Achromatopsia</b> 65.8375, 0.3127, 0.3290
	<b>Achromatomaly</b> 68.6507, 0.2865, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2014, 0.2528, 0.3218 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(140, 241, 247) looks like.

```
.text, #text, p{  
    color:rgb(140, 241, 247)  
}
```

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(140, 241, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 241, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2014, 0.2528, 0.3218 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(140, 241, 247) }
```

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

```
.border{ border-color:rgb(140, 241, 247) }
```

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

Here you see how a box with a 4 pixel rgb(140, 241, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 241, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 241, 247);  
box-shadow:4px 4px 4px 4px rgb(140, 241,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2014, 0.2528, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 241, 247) }
```

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

```
.background{ background-color: rgb(140,  
241, 247) }
```

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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