

Converting Colors

$Yxy(66.6322, 0.2637, 0.3301)$

Have a look what the booklet for
Yxy(66.6322, 0.2637, 0.3301)
contains.

Yxy(66.6322, 0.2637, 0.3301)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.6322, 0.2637, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	93E3E2
RGB	147, 227, 226
RGB Percent	58%, 89%, 89%
CMY	0.4235, 0.1098, 0.1138
CMYK	0.35, 0.00, 0.00, 0.11
HSL	179°, 59%, 73%
HSV	179°, 35%, 89%
XYZ	53.2291, 66.6322, 81.9933
YIQ	202.9660, -47.3590, -17.2710

Conversions

Conversions Part 2

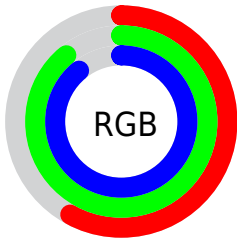
Format	Color
RYB	147, 187, 227
Decimal	9692130
CIELab	85.32, -24.58, -7.27
CIElCh	85, 25.632, 196.480
Yxy	66.6322, 0.2637, 0.3301
Android (android.graphics.Color)	4287882210 (0xFF93E3E2)
YUV	202.9660, 11.3558, -49.0822
Hunter-Lab	81.6285, -26.4521, -2.4150

Details

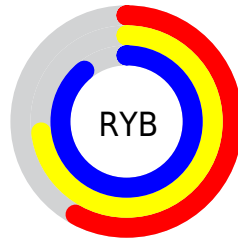
The Yxy color **66.6322, 0.2637, 0.3301** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.3441, 0.3958, 0.3280**, and the grayscale version is **59.6513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **34.3414, 0.2521, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **64.7230, 0.2528, 0.3305**, and if you desaturate by 10%, it is **68.9608, 0.2762, 0.3298**.

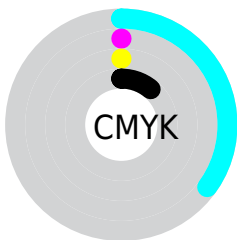
Distribution



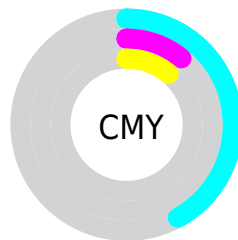
- Red (58%)
- Green (89%)
- Blue (89%)



- Red (58%)
- Yellow (73%)
- Blue (89%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (42%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6322, 0.2637, 0.3301 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 66.6322, 0.2637, 0.3301 by changing the saturation by 10% instead.


 66.6322, 0.2637,
0.3301


 66.6322, 0.2637,
0.3301

448.6345, 0.2864,
0.3300

 48.7858, 0.2585,
0.3300


 114.3932, 0.2716,
0.3301

 34.4496, 0.2521,
0.3299


 145.0766, 0.2747,
0.3301

 23.2392, 0.2440,
0.3296


180.8078, 0.2773,
0.3301

 14.7702, 0.2334,
0.3291

221.9712, 0.2796,
0.3301

 8.6583, 0.2190,
0.3281

268.9512, 0.2816,
0.3301

 4.5190, 0.1985,
0.3261

322.1321, 0.2834,

 1.9679, 0.1672,

0.3300

381.8984, 0.2850,
0.3300

0.3215

0.5887, 0.0000,
0.3364

0.0000, 0.0000,
0.0000

66.6322, 0.2637,
0.3301

66.6322, 0.2637,
0.3301

64.7230, 0.2528,
0.3305

68.9608, 0.2762,
0.3298

63.2008, 0.2437,
0.3309

71.7232, 0.2899,
0.3294

62.0412, 0.2365,
0.3313

74.9431, 0.3047,
0.3291

61.2137, 0.2312,
0.3317

78.6400, 0.3202,
0.3289

■ 60.6828, 0.2279,
0.3321

■ 81.7700, 0.3321,
0.3286

■ 60.4050, 0.2262,
0.3325

■ 81.7860, 0.3319,
0.3283

■ 60.3276, 0.2257,
0.3327

■ 81.8021, 0.3317,
0.3281

■ 81.8182, 0.3315,
0.3278

■ 81.8344, 0.3313,
0.3275

Harmonies

Analogous

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



66.6322, 0.2869, 0.3600



66.6322, 0.2637, 0.3301



66.6322, 0.2534, 0.3017

Triad

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



66.6322, 0.2637, 0.3301



66.6322, 0.3051, 0.2833



66.6322, 0.3700, 0.3737

Complementary

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



66.6322, 0.2637, 0.3301



39.3441, 0.3958, 0.3280

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.



66.6322, 0.3759, 0.3512



66.6322, 0.2637, 0.3301



66.6322, 0.3374, 0.3005

Square

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



66.6322, 0.2637, 0.3301



66.6322, 0.2763, 0.2766



66.6322, 0.3639, 0.3248



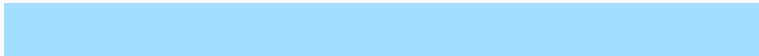
66.6322, 0.3483, 0.3854

Rectangle

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



66.6322, 0.2637, 0.3301



66.6322, 0.2547, 0.2877



66.6322, 0.3639, 0.3248



66.6322, 0.3739, 0.3670

Sweetspot

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



66.6348, 0.2637, 0.3301



95.0397, 0.2960, 0.3293



63.3760, 0.3086, 0.4345



20.2227, 0.2940, 0.3293



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.



66.6348, 0.2637, 0.3301



84.9388, 0.2559, 0.3304



47.8647, 0.2564, 0.2792



16.3331, 0.2983, 0.3293



35.1835, 0.2257, 0.3326



2.6010, 0.2256, 0.3320

Inverse Universe

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



39.3441, 0.3958, 0.3280



44.5869, 0.4211, 0.3279



53.4209, 0.3809, 0.3738



14.3710, 0.3291, 0.3287



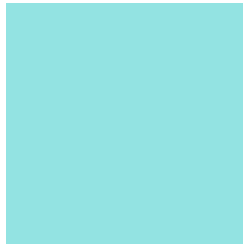
9.5292, 0.6387, 0.3292



0.7052, 0.6347, 0.3270

Previews

White Background



This preview shows how the Yxy color 66.6322, 0.2637, 0.3301 looks on a white background.

Color Contrast Check

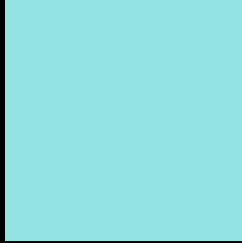
Large Text (above 18pt) WCAG AA × Fail

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 66.6322, 0.2637, 0.3301 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 66.6322, 0.2637, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 66.6322, 0.2637, 0.3301.

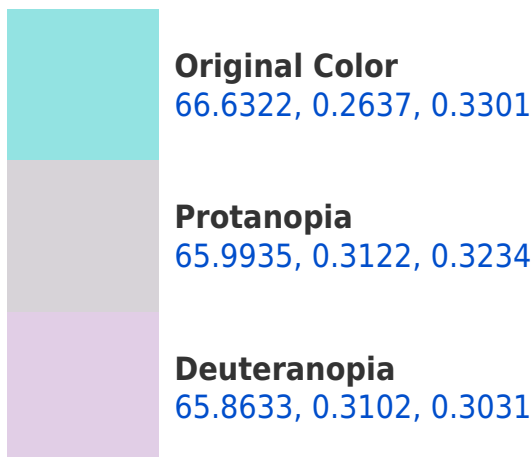


This preview shows how white text looks on a background with the Yxy color 66.6322, 0.2637, 0.3301.

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





Tritanopia

66.3617, 0.2566, 0.3063

Trichromacy



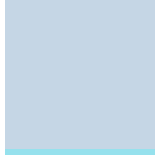
Original Color

66.6322, 0.2637, 0.3301



Protanomaly

65.7402, 0.2919, 0.3254



Deuteranomaly

65.6206, 0.2909, 0.3119



Tritanomaly

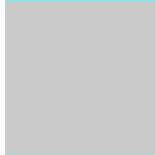
66.4489, 0.2593, 0.3145

Monochromacy



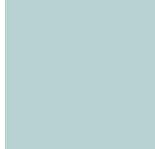
Original Color

66.6322, 0.2637, 0.3301



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.8574, 0.2926, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6322, 0.2637, 0.3301 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(147, 227, 226)` looks like.

```
.text, #text, p{  
    color:rgb(147, 227, 226)  
}
```

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(147, 227, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 227, 226) }
```

Border

The CSS property to change the border of an element to Yxy 66.6322, 0.2637, 0.3301 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(147, 227, 226) }
```

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

```
.border{ border-color:rgb(147, 227, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 227, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 227, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 227, 226); box-shadow:4px 4px 4px 4px rgb(147, 227, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6322, 0.2637, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 227, 226) }
```

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

```
.background{ background-color: rgb(147,  
227, 226) }
```

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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