

Converting Colors

$Yxy(80.2364, 0.2500, 0.3590)$

Have a look what the booklet for
Yxy(80.2364, 0.2500, 0.3590)
contains.

Yxy(80.2364, 0.2500, 0.3590)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.2364, 0.2500, 0.3590)

Conversions

Conversions Part 1

Format	Color
Hex	69FFE6
RGB	105, 255, 230
RGB Percent	41%, 100%, 90%
CMY	0.5878, 0.0000, 0.0981
CMYK	0.59, 0.00, 0.10, 0.00
HSL	170°, 100%, 71%
HSV	170°, 59%, 100%
XYZ	55.8749, 80.2364, 87.3884
YIQ	207.3000, -81.3750, -39.5750

Conversions

Conversions Part 2

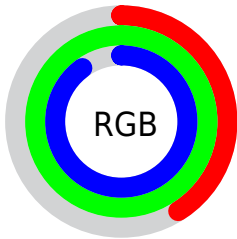
Format	Color
RYB	105, 187, 255
Decimal	6946790
CIELab	91.79, -45.76, -0.02
CIELCh	92, 45.761, 180.022
Yxy	80.2364, 0.2500, 0.3590
Android (android.graphics.Color)	4285136870 (0xFF69FFE6)
YUV	207.3000, 11.1911, -89.7171
Hunter-Lab	89.5748, -45.4112, 4.8595

Details

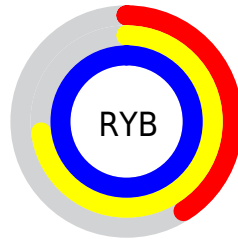
The Yxy color **80.2364, 0.2500, 0.3590** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.9995, 0.4652, 0.3049**, and the grayscale version is **62.5845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **43.5935, 0.2361, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **78.6820, 0.2446, 0.3650**, and if you desaturate by 10%, it is **82.2658, 0.2573, 0.3532**.

Distribution



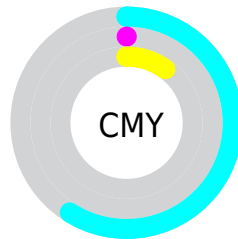
- Red (41%)
- Green (100%)
- Blue (90%)



- Red (41%)
- Yellow (73%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2364, 0.2500, 0.3590 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 80.2364, 0.2500, 0.3590 by changing the saturation by 10% instead.

 80.2364, 0.2500,
0.3590

 80.2364, 0.2500,
0.3590


495.7292, 0.2783,
0.3455


 59.9129, 0.2437,
0.3620


 133.6980, 0.2597,
0.3544

 43.3484, 0.2361,
0.3656


 167.6050, 0.2635,
0.3526

 30.1586, 0.2266,
0.3702


 206.8085, 0.2668,
0.3510

 19.9590, 0.2144,
0.3760

251.6931, 0.2696,
0.3496

 12.3652, 0.1984,
0.3837

302.6430, 0.2722,
0.3484

 6.9929, 0.1763,
0.3942

360.0428, 0.2744,

 3.4577, 0.1446,

0.3473

424.2767, 0.2765,
0.3464

0.4093

1.3751, 0.0412,
0.4587

0.1983, 0.0000,
0.4773

80.2364, 0.2500,
0.3590

80.2364, 0.2500,
0.3590

78.6820, 0.2446,
0.3650

82.2658, 0.2573,
0.3532

77.5504, 0.2412,
0.3711

84.7983, 0.2664,
0.3475


76.7940, 0.2397,
0.3771

87.8708, 0.2769,
0.3422

76.3396, 0.2399,
0.3831

91.5141, 0.2886,
0.3372

 76.2932, 0.2400,
0.3838

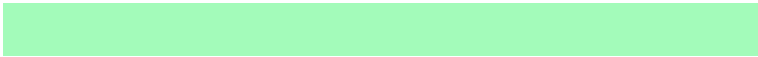
 95.7565, 0.3012,
0.3327

99.9977, 0.3127,
0.3290

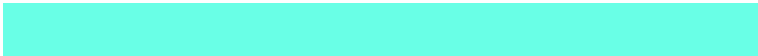
Harmonies

Analogous

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



80.2364, 0.2955, 0.4062



80.2364, 0.2500, 0.3590



80.2364, 0.2224, 0.3058

Triad

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



80.2364, 0.2500, 0.3590



80.2364, 0.2716, 0.2474



80.2364, 0.4177, 0.3805

Complementary

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



80.2364, 0.2500, 0.3590



32.9995, 0.4652, 0.3049

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.



80.2364, 0.4120, 0.3391



80.2364, 0.2500, 0.3590



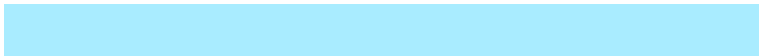
80.2364, 0.3234, 0.2661

Square

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



80.2364, 0.2500, 0.3590



80.2364, 0.2342, 0.2464



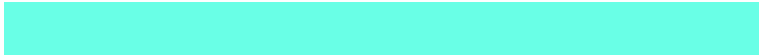
80.2364, 0.3763, 0.2986



80.2364, 0.3933, 0.4138

Rectangle

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



80.2364, 0.2500, 0.3590



80.2364, 0.2164, 0.2770



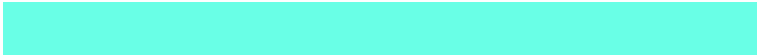
80.2364, 0.3763, 0.2986



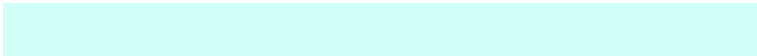
80.2364, 0.4194, 0.3671

Sweetspot

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



80.2395, 0.2500, 0.3590



91.8263, 0.2895, 0.3369



77.4929, 0.3169, 0.5124



19.4118, 0.2860, 0.3383



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.



80.2395, 0.2500, 0.3590



78.3982, 0.2436, 0.3663



55.1133, 0.2268, 0.2698



20.4263, 0.3002, 0.3330



39.8854, 0.2397, 0.3828



3.8967, 0.2378, 0.3760

Inverse Universe

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



32.9995, 0.4652, 0.3049



27.1538, 0.5173, 0.3041



44.9242, 0.4624, 0.3769



18.0365, 0.3268, 0.3251



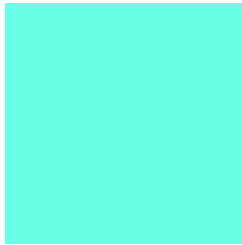
11.2127, 0.6161, 0.3168



1.1050, 0.5881, 0.3013

Previews

White Background



This preview shows how the Yxy color 80.2364, 0.2500, 0.3590 looks on a white background.

Color Contrast Check

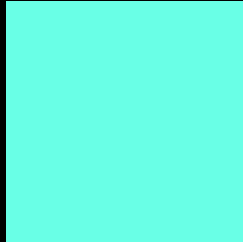
Large Text (above 18pt) WCAG AA × Fail

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 80.2364, 0.2500, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

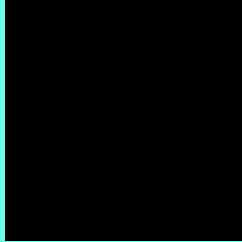
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2364, 0.2500, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 80.2364, 0.2500, 0.3590.



This preview shows how white text looks on a background with the Yxy color 80.2364, 0.2500, 0.3590.

Color Blindness Simulation

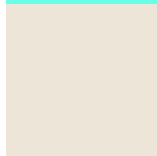
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



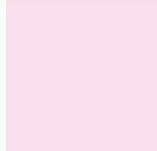
Original Color

80.2364, 0.2500, 0.3590



Protanopia

78.9494, 0.3274, 0.3437



Deuteranopia

79.0295, 0.3218, 0.3150



Tritanopia

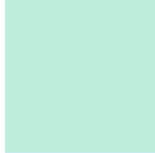
79.6085, 0.2649, 0.3146

Trichromacy



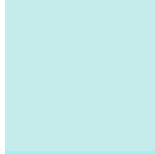
Original Color

80.2364, 0.2500, 0.3590



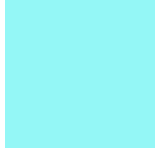
Protanomaly

77.1352, 0.2920, 0.3493



Deuteranomaly

77.2275, 0.2888, 0.3300



Tritanomaly

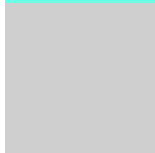
79.4712, 0.2579, 0.3300

Monochromacy



Original Color

80.2364, 0.2500, 0.3590



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.7637, 0.2824, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2364, 0.2500, 0.3590 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(105, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 230)  
}
```

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(105, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 80.2364, 0.2500, 0.3590 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(105, 255, 230) }
```

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

```
.border{ border-color:rgb(105, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2364, 0.2500, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 230) }
```

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

```
.background{ background-color: rgb(105,  
255, 230) }
```

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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