

Converting Colors

$Yxy(81.7162, 0.2564, 0.3221)$

Have a look what the booklet for
Yxy(81.7162, 0.2564, 0.3221)
contains.

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Color

Yxy(81.7437, 0.2564, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	99F9FF
RGB	153, 249, 255
RGB Percent	60%, 98%, 100%
CMY	0.3998, 0.0235, 0.0000
CMYK	0.40, 0.02, 0.00, 0.00
HSL	184°, 100%, 80%
HSV	184°, 40%, 100%
XYZ	65.0701, 81.7437, 106.9698
YIQ	220.9800, -59.1420, -18.4860

Conversions

Conversions Part 2

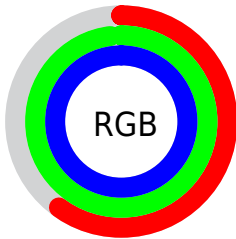
Format	Color
R_{YB}	153, 202, 255
Decimal	10091007
CIE _{Lab}	92.46, -26.83, -11.82
CIE _{LCh}	92, 29.320, 203.772
Yxy	81.7437, 0.2564, 0.3221
Android (android.graphics.Color)	4288281087 (0xFF99F9FF)
YUV	220.9800, 16.7719, -59.6185
Hunter-Lab	90.4122, -29.7541, -6.8595

Details

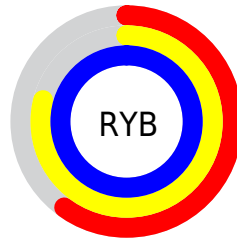
The Yxy color **81.7437, 0.2564, 0.3221** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.3738, 0.4121, 0.3356**, and the grayscale version is **72.2103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **44.2094, 0.2444, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **78.5986, 0.2456, 0.3202**, and if you desaturate by 10%, it is **85.4306, 0.2688, 0.3240**.

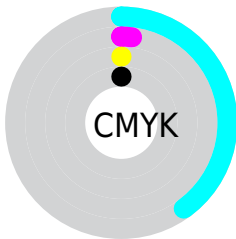
Distribution



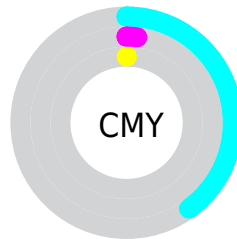
- Red (60%)
- Green (98%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- Blue (100%)



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7437, 0.2564, 0.3221 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 81.7437, 0.2564, 0.3221 by changing the saturation by 10% instead.

 81.7437, 0.2564,
0.3221

 81.7437, 0.2564,
0.3221


500.7900, 0.2814,
0.3258

 61.1543, 0.2509,
0.3212


 135.8145, 0.2649,
0.3235

 44.3497, 0.2443,
0.3199


 170.0647, 0.2682,
0.3240

 30.9455, 0.2361,
0.3183


209.6373, 0.2712,
0.3244

 20.5574, 0.2257,
0.3161

254.9167, 0.2737,
0.3248

 12.8008, 0.2121,
0.3128

306.2873, 0.2760,
0.3251

 7.2915, 0.1937,
0.3078


364.1334, 0.2780,


 3.6451, 0.1675,

0.3253

0.2994


428.8395, 0.2798,
0.3256


 1.4771, 0.1260,
0.2837


 0.2725, 0.0000,
0.1940

 81.7437, 0.2564,
0.3221

 81.7437, 0.2564,
0.3221

 78.5986, 0.2456,
0.3202

 85.4306, 0.2688,
0.3240

 75.9549, 0.2366,
0.3182

 89.6841, 0.2825,
0.3258

 73.7767, 0.2296,
0.3161

 94.5349, 0.2973,
0.3275

 72.0204, 0.2245,
0.3141

100.0000, 0.3127,
0.3290

■ 70.6341, 0.2212,
0.3121

■ 69.5331, 0.2195,
0.3102

■ 69.5313, 0.2195,
0.3102

Harmonies

Analogous

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



81.7437, 0.2781, 0.3549



81.7437, 0.2564, 0.3221



81.7437, 0.2492, 0.2937

Triad

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



81.7437, 0.2564, 0.3221



81.7437, 0.3129, 0.2839



81.7437, 0.3695, 0.3810

Complementary

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



81.7437, 0.2564, 0.3221



48.3738, 0.4121, 0.3356

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.



81.7437, 0.3805, 0.3590



81.7437, 0.2564, 0.3221



81.7437, 0.3469, 0.3044

Square

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



81.7437, 0.2564, 0.3221



81.7437, 0.2805, 0.2738



81.7437, 0.3722, 0.3313



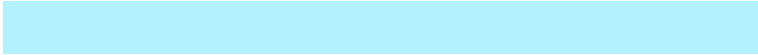
81.7437, 0.3432, 0.3900

Rectangle

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



81.7437, 0.2564, 0.3221



81.7437, 0.2532, 0.2809



81.7437, 0.3722, 0.3313



81.7437, 0.3752, 0.3747

Sweetspot

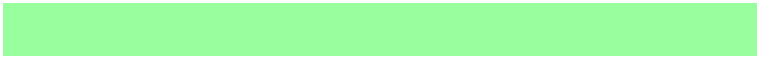
The Sweet Spot groups the original color and five complimentary colors.



81.7458, 0.2564, 0.3221



93.5070, 0.2942, 0.3271



80.7701, 0.3044, 0.4463



19.8748, 0.2923, 0.3269



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.



81.7458, 0.2564, 0.3221



79.1815, 0.2476, 0.3206



54.8084, 0.2470, 0.2624



20.2873, 0.2980, 0.3275



36.4105, 0.2196, 0.3105



3.5986, 0.2202, 0.3127

Inverse Universe

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



50.8961, 0.3223, 0.2352



44.6902, 0.3244, 0.2181



69.2210, 0.3903, 0.3870



18.2808, 0.3147, 0.3069



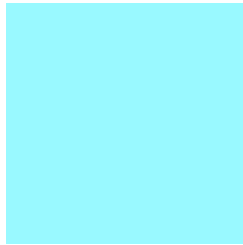
14.4036, 0.3363, 0.1626



1.4078, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 81.7437, 0.2564, 0.3221 looks on a white background.

Color Contrast Check

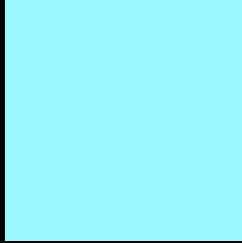
Large Text (above 18pt) WCAG AA × Fail

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 81.7437, 0.2564, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

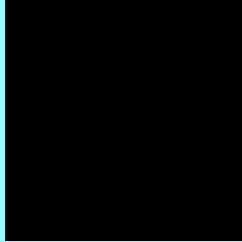
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.7437, 0.2564, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 81.7437, 0.2564, 0.3221.

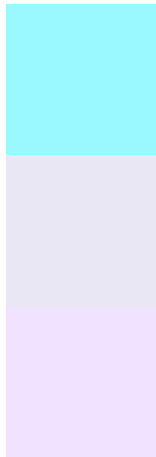


This preview shows how white text looks on a background with the Yxy color 81.7437, 0.2564, 0.3221.

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

81.7437, 0.2564, 0.3221

Protanopia

81.0071, 0.3060, 0.3157

Deuteranopia

80.6834, 0.3039, 0.3010



Tritanopia

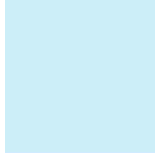
81.4156, 0.2728, 0.3149

Trichromacy



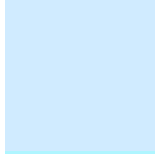
Original Color

81.7437, 0.2564, 0.3221



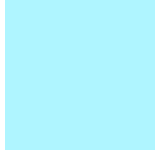
Protanomaly

80.7638, 0.2854, 0.3183



Deuteranomaly

80.0466, 0.2837, 0.3079



Tritanomaly

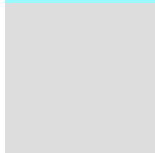
81.6388, 0.2663, 0.3179

Monochromacy



Original Color

81.7437, 0.2564, 0.3221



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.7708, 0.2886, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7437, 0.2564, 0.3221 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(153, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 249, 255)  
}
```

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(153, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.7437, 0.2564, 0.3221 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(153, 249, 255) }
```

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

```
.border{ border-color:rgb(153, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7437, 0.2564, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 249, 255) }
```

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

```
.background{ background-color: rgb(153,  
249, 255) }
```

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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