

Converting Colors

$Y_{xy}(76.4037, 0.2548, 0.3120)$

Have a look what the booklet for
Yxy(76.4037, 0.2548, 0.3120)
contains.

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Color

Yxy(76.3125, 0.2548, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	99F0FF
RGB	153, 240, 255
RGB Percent	60%, 94%, 100%
CMY	0.3997, 0.0589, 0.0000
CMYK	0.40, 0.06, 0.00, 0.00
HSL	189°, 100%, 80%
HSV	189°, 40%, 100%
XYZ	62.3619, 76.3125, 106.0739
YIQ	215.6970, -56.6670, -13.7790

Conversions

Conversions Part 2

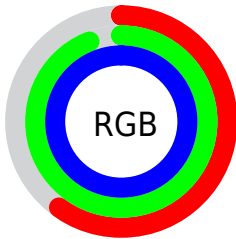
Format	Color
R_{YB}	153, 200, 255
Decimal	10088703
CIE _{Lab}	90.00, -22.44, -15.50
CIE _{LCh}	90, 27.273, 214.631
Yxy	76.3125, 0.2548, 0.3118
Android (android.graphics.Color)	4288278783 (0xFF99F0FF)
YUV	215.6970, 19.3764, -54.9853
Hunter-Lab	87.3570, -25.4484, -10.8434

Details

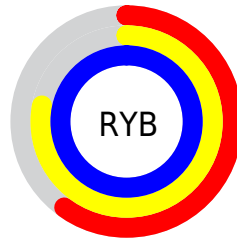
The Yxy color **76.3125, 0.2548, 0.3118** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.6041, 0.4080, 0.3451**, and the grayscale version is **68.3597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **40.8450, 0.2425, 0.3080** is the 20% darker color. If you saturate the color by 10%, you get **71.9015, 0.2430, 0.3068**, and if you desaturate by 10%, it is **81.3018, 0.2680, 0.3166**.

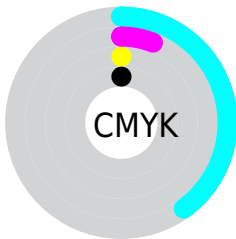
Distribution



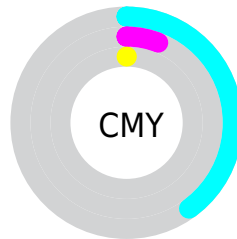
- Red (60%)
- Green (94%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (40%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3125, 0.2548, 0.3118 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 76.3125, 0.2548, 0.3118 by changing the saturation by 10% instead.

 76.3125, 0.2548,
0.3118


 76.3125, 0.2548,
0.3118


482.4168, 0.2808,
0.3203

 56.6888, 0.2491,
0.3098


 128.1685, 0.2637,
0.3148

 40.7554, 0.2421,
0.3072


 161.1697, 0.2671,
0.3160

 28.1280, 0.2334,
0.3039


199.3987, 0.2702,
0.3170

 18.4222, 0.2224,
0.2994

243.2401, 0.2728,
0.3178

 11.2535, 0.2079,
0.2932

293.0782, 0.2752,
0.3185

 6.2376, 0.1882,
0.2839

349.2974, 0.2772,

 2.9901, 0.1599,

0.3192

0.2688

412.2821, 0.2791,
0.3198

■ 1.1266, 0.1093,
0.2438

■ 0.0005, 0.0000,
0.0004

■ 76.3125, 0.2548,
0.3118

■ 76.3125, 0.2548,
0.3118

■ 71.9015, 0.2430,
0.3068

■ 81.3018, 0.2680,
0.3166

■ 68.0310, 0.2329,
0.3016

■ 86.8973, 0.2823,
0.3211

■ 64.6639, 0.2247,
0.2964

■ 93.1291, 0.2973,
0.3252

■ 61.7564, 0.2184,
0.2911

100.0000, 0.3127,
0.3290

■ 59.2564, 0.2140,
0.2858

■ 57.0789, 0.2113,
0.2806

■ 57.0718, 0.2113,
0.2806

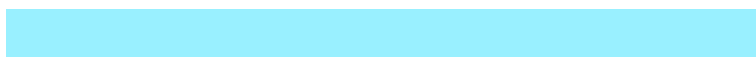
Harmonies

Analogous

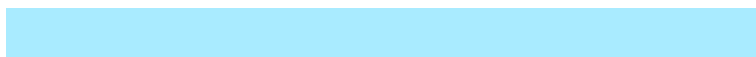
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3125, 0.2709, 0.3425



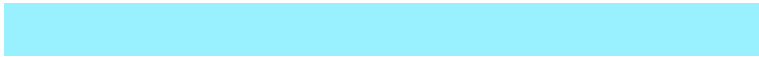
76.3125, 0.2548, 0.3118



76.3125, 0.2534, 0.2881

Triad

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



76.3125, 0.2548, 0.3118



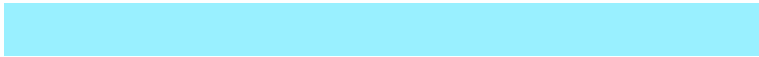
76.3125, 0.3250, 0.2921



76.3125, 0.3591, 0.3834

Complementary

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



76.3125, 0.2548, 0.3118



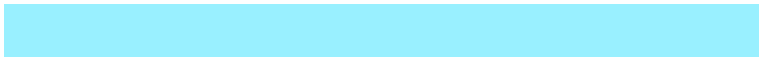
51.6041, 0.4080, 0.3451

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.



76.3125, 0.3755, 0.3662



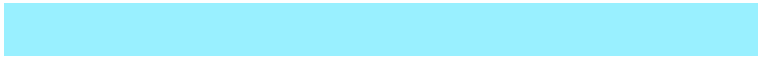
76.3125, 0.2548, 0.3118



76.3125, 0.3554, 0.3144

Square

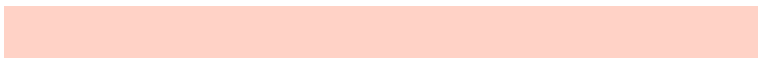
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3125, 0.2548, 0.3118



76.3125, 0.2925, 0.2784



76.3125, 0.3743, 0.3410



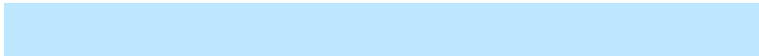
76.3125, 0.3306, 0.3858

Rectangle

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



76.3125, 0.2548, 0.3118



76.3125, 0.2607, 0.2790



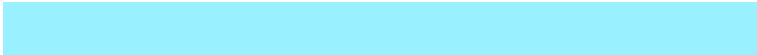
76.3125, 0.3743, 0.3410



76.3125, 0.3663, 0.3790

Sweetspot

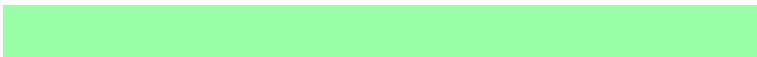
The Sweet Spot groups the original color and five complimentary colors.



76.3136, 0.2548, 0.3118



91.8090, 0.2942, 0.3244



81.0786, 0.3002, 0.4358



19.4725, 0.2922, 0.3239



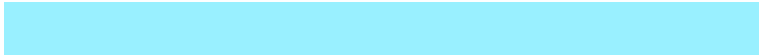
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



76.3136, 0.2548, 0.3118



72.7252, 0.2452, 0.3078



51.0246, 0.2454, 0.2519



19.9985, 0.2980, 0.3254



29.9949, 0.2115, 0.2814



3.0392, 0.2132, 0.2874

Inverse Universe

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



50.3610, 0.3299, 0.2430



44.0384, 0.3342, 0.2269



73.5145, 0.3868, 0.3951



18.2517, 0.3161, 0.3090



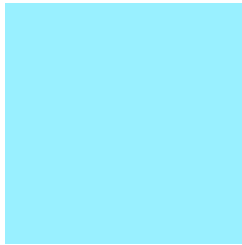
13.7560, 0.3621, 0.1769



1.3514, 0.3567, 0.1739

Previews

White Background



This preview shows how the Yxy color 76.3125, 0.2548, 0.3118 looks on a white background.

Color Contrast Check

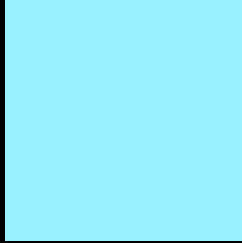
Large Text (above 18pt) WCAG AA × Fail

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 76.3125, 0.2548, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

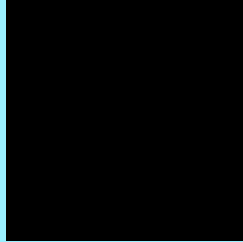
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.3125, 0.2548, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 76.3125, 0.2548, 0.3118.

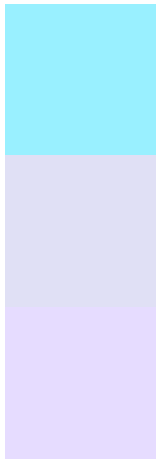


This preview shows how white text looks on a background with the Yxy color 76.3125, 0.2548, 0.3118.

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

76.3125, 0.2548, 0.3118

Protanopia

75.7512, 0.2994, 0.3070

Deuteranopia

75.2294, 0.2972, 0.2932



Tritanopia

76.3684, 0.2602, 0.3098

Trichromacy



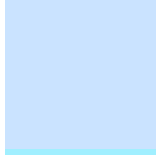
Original Color

76.3125, 0.2548, 0.3118



Protanomaly

75.4389, 0.2807, 0.3083



Deuteranomaly

74.7147, 0.2796, 0.2989



Tritanomaly

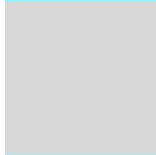
76.5301, 0.2584, 0.3109

Monochromacy



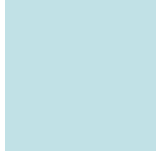
Original Color

76.3125, 0.2548, 0.3118



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

70.9011, 0.2882, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3125, 0.2548, 0.3118 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, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 240, 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, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.3125, 0.2548, 0.3118 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, 240, 255) }
```

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

```
.border{ border-color:rgb(153, 240, 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, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3125, 0.2548, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 240, 255) }
```

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

```
.background{ background-color: rgb(153,  
240, 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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