

Converting Colors

$Yxy(79.6491, 0.2707, 0.3524)$

Have a look what the booklet for
Yxy(79.6491, 0.2707, 0.3524)
contains.

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Color

Yxy(79.8042, 0.2704, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	9CF8E4
RGB	156, 248, 228
RGB Percent	61%, 97%, 89%
CMY	0.3880, 0.0275, 0.1059
CMYK	0.37, 0.00, 0.08, 0.03
HSL	167°, 87%, 79%
HSV	167°, 37%, 97%
XYZ	61.2867, 79.8042, 85.5612
YIQ	218.2120, -48.4120, -25.7240

Conversions

Conversions Part 2

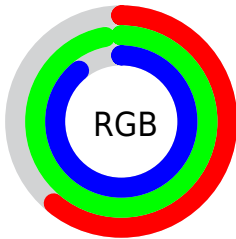
Format	Color
R _Y B	156, 208, 248
Decimal	10287332
CIE Lab	91.60, -31.82, 0.95
CIE LCh	92, 31.832, 178.285
Yxy	79.8042, 0.2704, 0.3521
Android (android.graphics.Color)	4288477412 (0xFF9CF8E4)
YUV	218.2120, 4.8255, -54.5599
Hunter-Lab	89.3332, -33.8738, 5.7467

Details

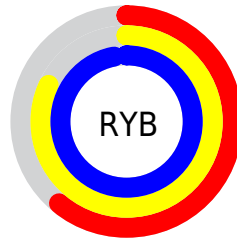
The Yxy color **79.8042, 0.2704, 0.3521** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.8879, 0.3835, 0.3076**, and the grayscale version is **70.2649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **42.9881, 0.2606, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **77.2846, 0.2615, 0.3595**, and if you desaturate by 10%, it is **82.8446, 0.2806, 0.3452**.

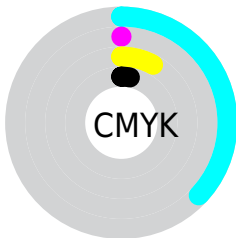
Distribution



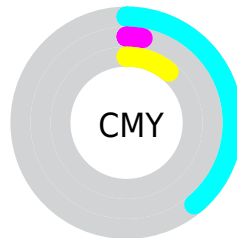
- Red (61%)
- Green (97%)
- Blue (89%)



- Red (61%)
- Yellow (82%)
- Blue (97%)



- Cyan (37%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (39%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8042, 0.2704, 0.3521 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 79.8042, 0.2704, 0.3521 by changing the saturation by 10% instead.


 79.8042, 0.2704,
0.3521


 79.8042, 0.2704,
0.3521


494.2727, 0.2896,
0.3416

 59.5572, 0.2661,
0.3545


 133.0904, 0.2770,
0.3485

 43.0619, 0.2608,
0.3574


 166.8985, 0.2796,
0.3471

 29.9337, 0.2542,
0.3610


205.9957, 0.2818,
0.3458

 19.7882, 0.2457,
0.3657

250.7664, 0.2838,
0.3448

 12.2412, 0.2344,
0.3721

301.5951, 0.2855,
0.3438

 6.9082, 0.2184,
0.3810

358.8661, 0.2870,

 3.4047, 0.1946,

0.3430

422.9639, 0.2884,
0.3422

0.3945

1.3465, 0.1399,
0.4248

0.1768, 0.0000,
0.5841

79.8042, 0.2704,
0.3521

79.8042, 0.2704,
0.3521

77.2846, 0.2615,
0.3595

82.8446, 0.2806,
0.3452

75.2453, 0.2543,
0.3672

86.4247, 0.2919,
0.3387


73.6549, 0.2489,
0.3752

90.5740, 0.3039,
0.3328


72.4746, 0.2456,
0.3833

95.2691, 0.3162,
0.3275

 71.6584, 0.2442,
0.3914

 95.6119, 0.3130,
0.3223

 71.1477, 0.2446,
0.3994

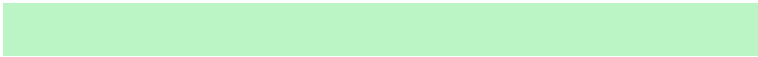
 95.6135, 0.3130,
0.3223

 71.0296, 0.2449,
0.4017

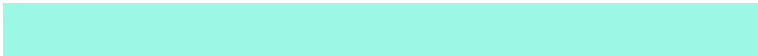
Harmonies

Analogous

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



79.8042, 0.3036, 0.3826



79.8042, 0.2704, 0.3521



79.8042, 0.2491, 0.3160

Triad

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



79.8042, 0.2704, 0.3521



79.8042, 0.2822, 0.2698



79.8042, 0.3865, 0.3656

Complementary

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



79.8042, 0.2704, 0.3521



46.8879, 0.3835, 0.3076

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.



79.8042, 0.3806, 0.3358



79.8042, 0.2704, 0.3521



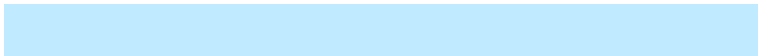
79.8042, 0.3185, 0.2827

Square

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



79.8042, 0.2704, 0.3521



79.8042, 0.2556, 0.2706



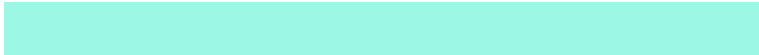
79.8042, 0.3552, 0.3062



79.8042, 0.3713, 0.3883

Rectangle

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



79.8042, 0.2704, 0.3521



79.8042, 0.2437, 0.2951



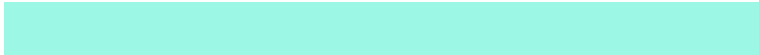
79.8042, 0.3552, 0.3062



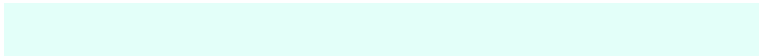
79.8042, 0.3869, 0.3561

Sweetspot

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



79.8074, 0.2704, 0.3521



94.6758, 0.2991, 0.3351



78.9423, 0.3205, 0.4375



20.1354, 0.2975, 0.3359



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.



79.8074, 0.2704, 0.3521



83.0876, 0.2641, 0.3572



66.8822, 0.2567, 0.3002



19.5401, 0.3009, 0.3342



38.3927, 0.2446, 0.4004



3.5713, 0.2419, 0.3908

Inverse Universe

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



46.8879, 0.3835, 0.3076



43.6431, 0.4038, 0.3037



55.2319, 0.3938, 0.3557



17.2870, 0.3260, 0.3239



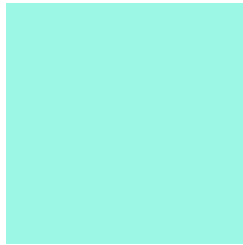
10.9411, 0.6030, 0.3095



1.0283, 0.5708, 0.2918

Previews

White Background



This preview shows how the Yxy color 79.8042, 0.2704, 0.3521 looks on a white background.

Color Contrast Check

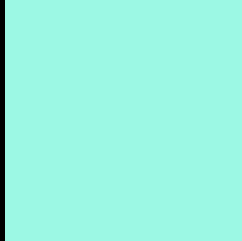
Large Text (above 18pt) WCAG AA × Fail

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 79.8042, 0.2704, 0.3521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

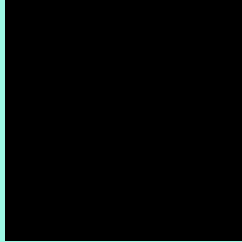
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8042, 0.2704, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 79.8042, 0.2704, 0.3521.

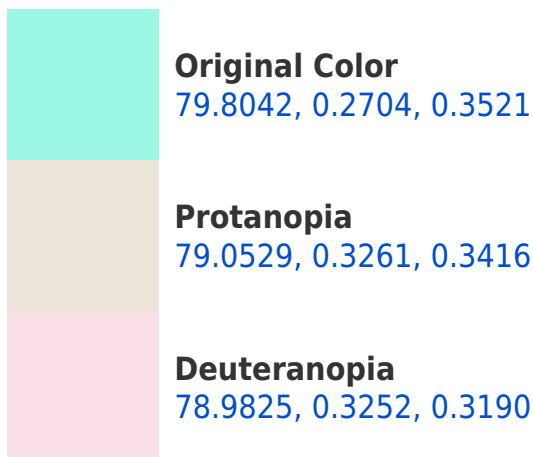


This preview shows how white text looks on a background with the Yxy color 79.8042, 0.2704, 0.3521.

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

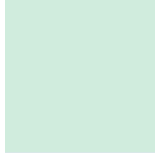
79.6075, 0.2699, 0.3126

Trichromacy



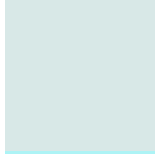
Original Color

79.8042, 0.2704, 0.3521



Protanomaly

78.6213, 0.3034, 0.3454



Deuteranomaly

78.0817, 0.3026, 0.3300



Tritanomaly

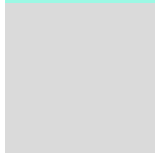
79.5780, 0.2699, 0.3266

Monochromacy



Original Color

79.8042, 0.2704, 0.3521



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.9147, 0.2943, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8042, 0.2704, 0.3521 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(156, 248, 228)` looks like.

```
.text, #text, p{  
    color:rgb(156, 248, 228)  
}
```

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(156, 248, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 248, 228) }
```

Border

The CSS property to change the border of an element to Yxy 79.8042, 0.2704, 0.3521 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(156, 248, 228) }
```

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

```
.border{ border-color:rgb(156, 248, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 248, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 248, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 248, 228);  
box-shadow:4px 4px 4px 4px rgb(156, 248,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8042, 0.2704, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 248, 228) }
```

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

```
.background{ background-color: rgb(156,  
248, 228) }
```

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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