

Converting Colors

$Yxy(78.7139, 0.2521, 0.3279)$

Have a look what the booklet for
Yxy(78.7139, 0.2521, 0.3279)
contains.

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Color

Yxy(78.6172, 0.2522, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	89F7F8
RGB	137, 247, 248
RGB Percent	54%, 97%, 97%
CMY	0.4632, 0.0313, 0.0275
CMYK	0.45, 0.00, 0.00, 0.03
HSL	181°, 89%, 75%
HSV	181°, 45%, 97%
XYZ	60.5043, 78.6172, 100.7845
YIQ	214.2240, -65.8810, -23.0090

Conversions

Conversions Part 2

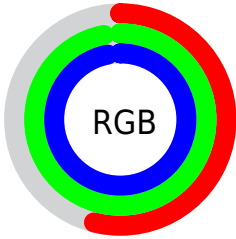
Format	Color
RYB	137, 192, 248
Decimal	9041912
CIELab	91.06, -31.35, -10.33
CIElCh	91, 33.009, 198.229
Yxy	78.6172, 0.2522, 0.3277
Android (android.graphics.Color)	4287231992 (0xFF89F7F8)
YUV	214.2240, 16.6516, -67.7254
Hunter-Lab	88.6663, -33.3609, -5.3268

Details

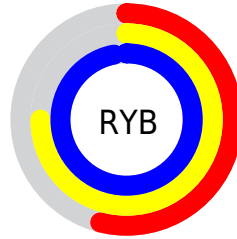
The Yxy color **78.6172, 0.2522, 0.3277** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.8919, 0.4330, 0.3304**, and the grayscale version is **67.3056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **42.1692, 0.2388, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **76.6298, 0.2428, 0.3274**, and if you desaturate by 10%, it is **81.0923, 0.2634, 0.3280**.

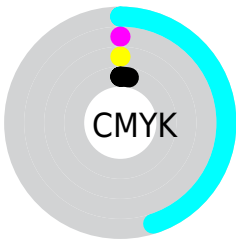
Distribution



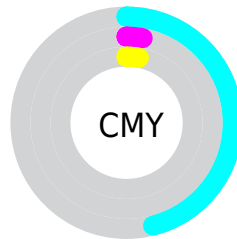
- Red (54%)
- Green (97%)
- Blue (97%)



- Red (54%)
- Yellow (75%)
- Blue (97%)



- Cyan (45%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (46%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6172, 0.2522, 0.3277 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 78.6172, 0.2522, 0.3277 by changing the saturation by 10% instead.

 78.6172, 0.2522,
0.3277


 78.6172, 0.2522,
0.3277


490.2604, 0.2793,
0.3289

 58.5811, 0.2462,
0.3273


 131.4198, 0.2614,
0.3282

 42.2760, 0.2390,
0.3267


 164.9552, 0.2650,
0.3284

 29.3175, 0.2300,
0.3259


203.7590, 0.2682,
0.3286

 19.3211, 0.2186,
0.3246

248.2158, 0.2710,
0.3287

 11.9025, 0.2036,
0.3226

298.7100, 0.2734,
0.3288

 6.6774, 0.1833,
0.3191

355.6259, 0.2756,

 3.2611, 0.1542,

0.3288

419.3479, 0.2775,
0.3289

0.3125

1.2695, 0.0952,
0.3033

0.1174, 0.0000,
0.1214

78.6172, 0.2522,
0.3277

78.6172, 0.2522,
0.3277

76.6298, 0.2428,
0.3274

81.0923, 0.2634,
0.3280

75.0874, 0.2354,
0.3271

84.0762, 0.2761,
0.3283

73.9554, 0.2299,
0.3268


87.5998, 0.2902,
0.3286


73.1898, 0.2263,
0.3265

91.6888, 0.3052,
0.3289


 72.7367, 0.2244,
0.3262


 95.2356, 0.3172,
0.3291

 72.5837, 0.2239,
0.3261

 95.3688, 0.3172,
0.3293

 95.5022, 0.3172,
0.3295

 95.6357, 0.3171,
0.3297

 95.7694, 0.3171,
0.3300

Harmonies

Analogous

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



78.6172, 0.2792, 0.3652



78.6172, 0.2522, 0.3277



78.6172, 0.2410, 0.2936

Triad

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



78.6172, 0.2522, 0.3277



78.6172, 0.3054, 0.2750



78.6172, 0.3812, 0.3840

Complementary

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



78.6172, 0.2522, 0.3277



39.8919, 0.4330, 0.3304

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.



78.6172, 0.3901, 0.3569



78.6172, 0.2522, 0.3277



78.6172, 0.3448, 0.2961

Square

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



78.6172, 0.2522, 0.3277



78.6172, 0.2702, 0.2660



78.6172, 0.3766, 0.3253



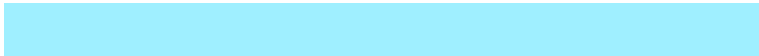
78.6172, 0.3537, 0.3982

Rectangle

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



78.6172, 0.2522, 0.3277



78.6172, 0.2433, 0.2775



78.6172, 0.3766, 0.3253



78.6172, 0.3866, 0.3760

Sweetspot

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



78.6203, 0.2522, 0.3277



94.0615, 0.2928, 0.3287



74.2408, 0.3061, 0.4698



19.9394, 0.2895, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

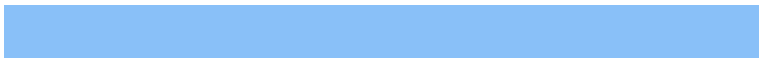
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.6203, 0.2522, 0.3277



81.7785, 0.2434, 0.3274



49.9764, 0.2403, 0.2601



19.5811, 0.2980, 0.3287



39.2245, 0.2239, 0.3261



3.6410, 0.2240, 0.3264

Inverse Universe

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



44.5293, 0.3187, 0.2203



41.1955, 0.3198, 0.2012



59.6489, 0.4045, 0.3882



17.5218, 0.3139, 0.3058



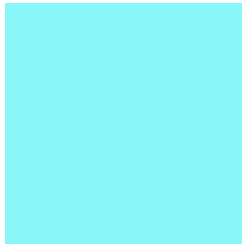
14.3706, 0.3231, 0.1554



1.3318, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 78.6172, 0.2522, 0.3277 looks on a white background.

Color Contrast Check

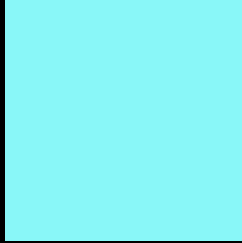
Large Text (above 18pt) WCAG AA × Fail

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 78.6172, 0.2522, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

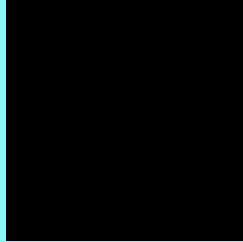
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6172, 0.2522, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 78.6172, 0.2522, 0.3277.

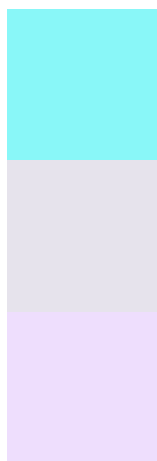


This preview shows how white text looks on a background with the Yxy color 78.6172, 0.2522, 0.3277.

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

78.6172, 0.2522, 0.3277

Protanopia

77.8173, 0.3090, 0.3196

Deuteranopia

77.5115, 0.3039, 0.2977



Tritanopia

78.1981, 0.2636, 0.3123

Trichromacy



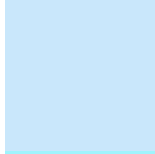
Original Color

78.6172, 0.2522, 0.3277



Protanomaly

76.8727, 0.2848, 0.3223



Deuteranomaly

76.5344, 0.2815, 0.3074



Tritanomaly

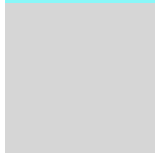
78.5004, 0.2595, 0.3187

Monochromacy



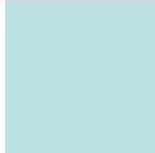
Original Color

78.6172, 0.2522, 0.3277



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.3228, 0.2861, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6172, 0.2522, 0.3277 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(137, 247, 248)` looks like.

```
.text, #text, p{  
    color:rgb(137, 247, 248)  
}
```

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(137, 247, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 247, 248) }
```

Border

The CSS property to change the border of an element to Yxy 78.6172, 0.2522, 0.3277 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(137, 247, 248) }
```

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

```
.border{ border-color:rgb(137, 247, 248) }
```

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

Here you see how a box with a 4 pixel rgb(137, 247, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 247, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 247, 248);  
box-shadow:4px 4px 4px 4px rgb(137, 247,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6172, 0.2522, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 247, 248) }
```

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

```
.background{ background-color: rgb(137,  
247, 248) }
```

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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