

Converting Colors

$Yxy(70.5748, 0.2523, 0.3193)$

Have a look what the booklet for
Yxy(70.5748, 0.2523, 0.3193)
contains.

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Color

Yxy(70.5748, 0.2523, 0.3193)

Conversions

Conversions Part 1

Format	Color
Hex	89EAF2
RGB	137, 234, 242
RGB Percent	54%, 92%, 95%
CMY	0.4628, 0.0823, 0.0510
CMYK	0.43, 0.03, 0.00, 0.05
HSL	185°, 80%, 74%
HSV	185°, 43%, 95%
XYZ	55.7658, 70.5748, 94.6891
YIQ	205.9090, -60.3800, -18.0760

Conversions

Conversions Part 2

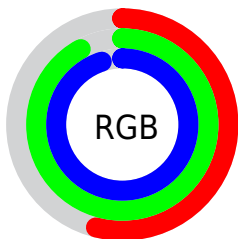
Format	Color
RYB	137, 187, 242
Decimal	9038578
CIELab	87.28, -26.58, -12.84
CIELCh	87, 29.519, 205.775
Yxy	70.5748, 0.2523, 0.3193
Android (android.graphics.Color)	4287228658 (0xFF89EAF2)
YUV	205.9090, 17.7929, -60.4332
Hunter-Lab	84.0088, -28.5255, -8.0216

Details

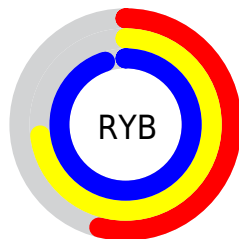
The Yxy color **70.5748, 0.2523, 0.3193** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.9339, 0.4234, 0.3381**, and the grayscale version is **61.5744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **37.0057, 0.2386, 0.3161** is the 20% darker color. If you saturate the color by 10%, you get **67.7124, 0.2419, 0.3167**, and if you desaturate by 10%, it is **73.9123, 0.2643, 0.3218**.

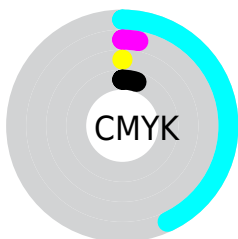
Distribution



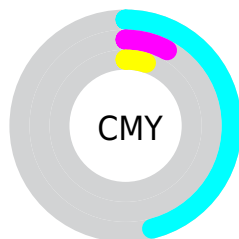
- Red (54%)
- Green (92%)
- Blue (95%)



- Red (54%)
- Yellow (73%)
- Blue (95%)



- Cyan (43%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)




- Cyan (46%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5748, 0.2523, 0.3193 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 70.5748, 0.2523, 0.3193 by changing the saturation by 10% instead.

 70.5748, 0.2523,
0.3193


 70.5748, 0.2523,
0.3193

462.5657, 0.2798,
0.3245

 51.9953, 0.2461,
0.3180


 120.0281, 0.2617,
0.3212

 37.0013, 0.2386,
0.3162

 151.6707, 0.2654,
0.3219

 25.2085, 0.2292,
0.3139


188.4364, 0.2686,
0.3225

 16.2325, 0.2171,
0.3107

230.7096, 0.2714,
0.3230

 9.6888, 0.2010,
0.3059

278.8747, 0.2739,
0.3235

 5.1931, 0.1788,
0.2983

333.3162, 0.2761,

 2.3610, 0.1464,

0.3239

0.2850

394.4184, 0.2781,
0.3242

0.8057, 0.0397,
0.2735

0.0000, 0.0000,
0.0000

70.5748, 0.2523,
0.3193

70.5748, 0.2523,
0.3193

67.7124, 0.2419,
0.3167

73.9123, 0.2643,
0.3218

65.2856, 0.2333,
0.3141

77.7447, 0.2777,
0.3241


63.2625, 0.2267,
0.3115


82.1007, 0.2922,
0.3263


61.6025, 0.2220,
0.3089


87.0046, 0.3074,
0.3284


 60.2566, 0.2191,
0.3063


 91.9053, 0.3212,
0.3302

 59.4908, 0.2180,
0.3046

 93.0156, 0.3210,
0.3320

 94.1370, 0.3209,
0.3338

 95.2696, 0.3207,
0.3355

 96.4133, 0.3206,
0.3373

Harmonies

Analogous

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



70.5748, 0.2742, 0.3542



70.5748, 0.2523, 0.3193



70.5748, 0.2459, 0.2900

Triad

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



70.5748, 0.2523, 0.3193



70.5748, 0.3153, 0.2826



70.5748, 0.3713, 0.3850

Complementary

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



70.5748, 0.2523, 0.3193



40.9339, 0.4234, 0.3381

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.



70.5748, 0.3843, 0.3623



70.5748, 0.2523, 0.3193



70.5748, 0.3510, 0.3048

Square

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



70.5748, 0.2523, 0.3193



70.5748, 0.2807, 0.2712



70.5748, 0.3769, 0.3332



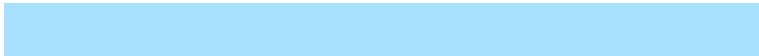
70.5748, 0.3426, 0.3936

Rectangle

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



70.5748, 0.2523, 0.3193



70.5748, 0.2508, 0.2772



70.5748, 0.3769, 0.3332



70.5748, 0.3777, 0.3786

Sweetspot

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



70.5775, 0.2523, 0.3193



92.6453, 0.2927, 0.3264



70.8382, 0.3029, 0.4555



19.5853, 0.2894, 0.3259



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.



70.5775, 0.2523, 0.3193



76.6306, 0.2431, 0.3171



45.3905, 0.2411, 0.2535



17.7108, 0.2981, 0.3271



32.0489, 0.2181, 0.3050



2.7270, 0.2190, 0.3084

Inverse Universe

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



42.7095, 0.3248, 0.2296



41.8639, 0.3276, 0.2119



60.3903, 0.3973, 0.3935



16.0094, 0.3150, 0.3075



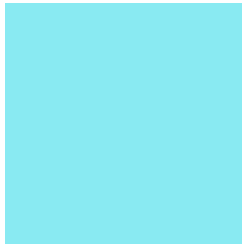
13.0287, 0.3410, 0.1652



1.0900, 0.3381, 0.1636

Previews

White Background



This preview shows how the Yxy color 70.5748, 0.2523, 0.3193 looks on a white background.

Color Contrast Check

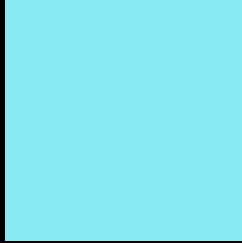
Large Text (above 18pt) WCAG AA × Fail

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 70.5748, 0.2523, 0.3193 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 70.5748, 0.2523, 0.3193

Background



This preview shows how black text looks on a background with the Yxy color 70.5748, 0.2523, 0.3193.

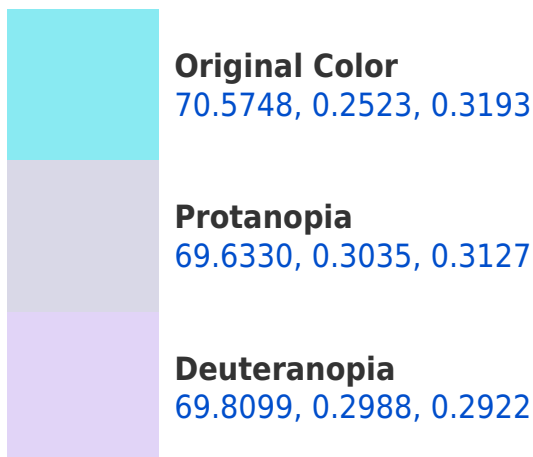


This preview shows how white text looks on a background with the Yxy color 70.5748, 0.2523, 0.3193.

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

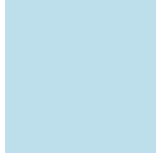
70.8183, 0.2493, 0.3078

Trichromacy



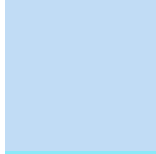
Original Color

70.5748, 0.2523, 0.3193



Protanomaly

69.4649, 0.2820, 0.3153



Deuteranomaly

69.1164, 0.2791, 0.3011



Tritanomaly

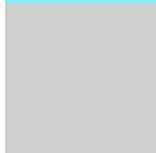
70.5441, 0.2502, 0.3112

Monochromacy



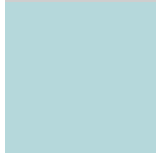
Original Color

70.5748, 0.2523, 0.3193



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.0500, 0.2865, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5748, 0.2523, 0.3193 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, 234, 242)` looks like.

```
.text, #text, p{  
    color:rgb(137, 234, 242)  
}
```

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, 234, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 234, 242) }
```

Border

The CSS property to change the border of an element to Yxy 70.5748, 0.2523, 0.3193 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, 234, 242) }
```

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

```
.border{ border-color:rgb(137, 234, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 234, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 234, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 234, 242); box-shadow:4px 4px 4px 4px rgb(137, 234, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5748, 0.2523, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 234, 242) }
```

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

```
.background{ background-color: rgb(137,  
234, 242) }
```

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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