

Converting Colors

$Y_{xy}(53.1189, 0.2510, 0.3142)$

Have a look what the booklet for
Yxy(53.1189, 0.2510, 0.3142)
contains.

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Color

Yxy(53.2173, 0.2508, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	79CED9
RGB	121, 206, 217
RGB Percent	47%, 81%, 85%
CMY	0.5255, 0.1921, 0.1490
CMYK	0.44, 0.05, 0.00, 0.15
HSL	187°, 56%, 66%
HSV	187°, 44%, 85%
XYZ	42.4790, 53.2173, 73.6777
YIQ	181.8390, -54.1910, -14.5990

Conversions

Conversions Part 2

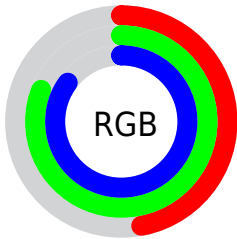
Format	Color
RYB	121, 166, 217
Decimal	7982809
CIELab	78.00, -22.91, -13.51
CIElCh	78, 26.594, 210.535
Yxy	53.2173, 0.2508, 0.3142
Android (android.graphics.Color)	4286172889 (0xFF79CED9)
YUV	181.8390, 17.3344, -53.3558
Hunter-Lab	72.9502, -23.7220, -8.8161

Details

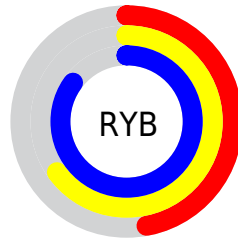
The Yxy color **53.2173, 0.2508, 0.3142** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.6295, 0.4235, 0.3427**, and the grayscale version is **46.6124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **25.7986, 0.2350, 0.3087** is the 20% darker color. If you saturate the color by 10%, you get **50.6372, 0.2401, 0.3103**, and if you desaturate by 10%, it is **56.1730, 0.2630, 0.3179**.

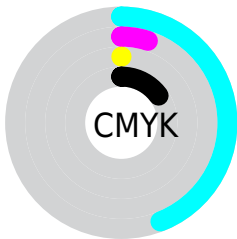
Distribution



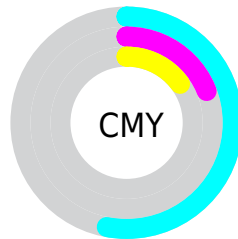
- Red (47%)
- Green (81%)
- Blue (85%)



- Red (47%)
- Yellow (65%)
- Blue (85%)



- Cyan (44%)
- Magenta (5%)
- Yellow (0%)
- Black (15%)





- Cyan (53%)
- Magenta (19%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2173, 0.2508, 0.3142 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 53.2173, 0.2508, 0.3142 by changing the saturation by 10% instead.


 53.2173, 0.2508,
0.3142


 53.2173, 0.2508,
0.3142


399.1183, 0.2804,
0.3221


 37.9763, 0.2438,
0.3121


 94.9240, 0.2612,
0.3172

 25.9643, 0.2351,
0.3093

 122.1586, 0.2653,
0.3183

 16.7969, 0.2239,
0.3056


 154.1597, 0.2687,
0.3192

 10.0898, 0.2091,
0.3002

191.3118, 0.2717,
0.3199

 5.4585, 0.1885,
0.2919

233.9993, 0.2743,
0.3206

 2.5187, 0.1586,
0.2778

282.6066, 0.2765,

 0.8860, 0.0827,

0.3212

0.2590

337.5182, 0.2786,
0.3217

0.0000, 0.0000,
0.0000

53.2173, 0.2508,
0.3142

53.2173, 0.2508,
0.3142

50.6372, 0.2401,
0.3103

56.1730, 0.2630,
0.3179

48.4024, 0.2312,
0.3064

59.5200, 0.2765,
0.3215

46.4882, 0.2242,
0.3023

63.2803, 0.2910,
0.3248

44.8632, 0.2191,
0.2983

67.4725, 0.3062,
0.3278

43.4894, 0.2158,
0.2944

72.1141, 0.3217,
0.3306

■ 42.7760, 0.2145,
0.2921

■ 77.2217, 0.3373,
0.3331

■ 79.2587, 0.3397,
0.3355

■ 80.5994, 0.3394,
0.3380

■ 81.9597, 0.3390,
0.3405

Harmonies

Analogous

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



53.2173, 0.2702, 0.3485



53.2173, 0.2508, 0.3142



53.2173, 0.2470, 0.2868

Triad

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



53.2173, 0.2508, 0.3142



53.2173, 0.3211, 0.2859



53.2173, 0.3670, 0.3869

Complementary

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



53.2173, 0.2508, 0.3142



32.6295, 0.4235, 0.3427

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.



53.2173, 0.3828, 0.3661



53.2173, 0.2508, 0.3142



53.2173, 0.3556, 0.3092

Square

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



53.2173, 0.2508, 0.3142



53.2173, 0.2860, 0.2727



53.2173, 0.3788, 0.3379



53.2173, 0.3370, 0.3925

Rectangle

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



53.2173, 0.2508, 0.3142



53.2173, 0.2536, 0.2757



53.2173, 0.3788, 0.3379



53.2173, 0.3743, 0.3813

Sweetspot

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



53.2194, 0.2508, 0.3142



91.8479, 0.2927, 0.3251



55.3173, 0.3010, 0.4529



19.3862, 0.2894, 0.3244



0.0000, 0.0000, 0.0000



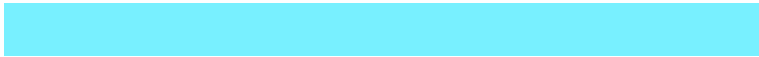
21.4041, 0.3127, 0.3290

Same Dimension

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



53.2194, 0.2508, 0.3142



73.2431, 0.2409, 0.3106



34.0054, 0.2393, 0.2476



14.5616, 0.2982, 0.3262



25.9939, 0.2146, 0.2927



1.7578, 0.2164, 0.2991

Inverse Universe

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



32.8800, 0.3287, 0.2319



40.9199, 0.3327, 0.2141



48.2100, 0.3970, 0.3979



13.2478, 0.3155, 0.3086



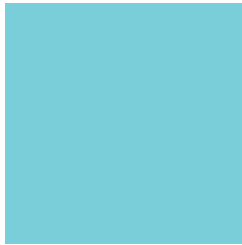
11.2479, 0.3519, 0.1712



0.7361, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 53.2173, 0.2508, 0.3142 looks on a white background.

Color Contrast Check

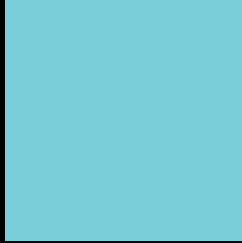
Large Text (above 18pt) WCAG AA × Fail

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 53.2173, 0.2508, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

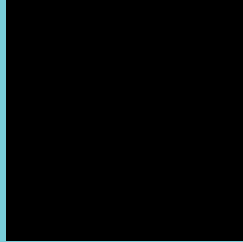
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.2173, 0.2508, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 53.2173, 0.2508, 0.3142.

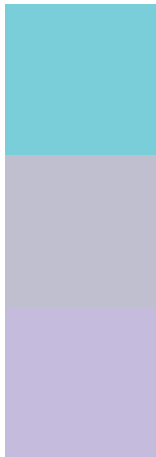


This preview shows how white text looks on a background with the Yxy color 53.2173, 0.2508, 0.3142.

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

53.2173, 0.2508, 0.3142

Protanopia

52.8430, 0.3009, 0.3095

Deuteranopia

52.6314, 0.2955, 0.2889



Tritanopia

53.0741, 0.2485, 0.3064

Trichromacy



Original Color

53.2173, 0.2508, 0.3142

Protanomaly

52.2900, 0.2799, 0.3099

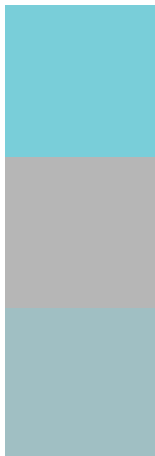
Deuteranomaly

52.1859, 0.2760, 0.2965

Tritanomaly

52.9675, 0.2495, 0.3090

Monochromacy



Original Color

53.2173, 0.2508, 0.3142

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.6753, 0.2857, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2173, 0.2508, 0.3142 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(121, 206, 217)` looks like.

```
.text, #text, p{  
    color:rgb(121, 206, 217)  
}
```

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(121, 206, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 206, 217) }
```

Border

The CSS property to change the border of an element to Yxy 53.2173, 0.2508, 0.3142 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(121, 206, 217) }
```

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

```
.border{ border-color:rgb(121, 206, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 206, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 206, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 206, 217);  
box-shadow:4px 4px 4px 4px rgb(121, 206,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2173, 0.2508, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 206, 217) }
```

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

```
.background{ background-color: rgb(121,  
206, 217) }
```

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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