

Converting Colors

$Y_{xy}(53.0793, 0.2652, 0.3654)$

Have a look what the booklet for
Yxy(53.0793, 0.2652, 0.3654)
contains.

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Color

$\text{Yxy}(53.0646, 0.2653, 0.3656)$

Conversions

Conversions Part 1

Format	Color
Hex	71D2B8
RGB	113, 210, 184
RGB Percent	44%, 82%, 72%
CMY	0.5570, 0.1764, 0.2783
CMYK	0.46, 0.00, 0.12, 0.18
HSL	164°, 52%, 63%
HSV	164°, 46%, 82%
XYZ	38.5067, 53.0646, 53.5726
YIQ	178.0330, -49.4660, -28.6500

Conversions

Conversions Part 2

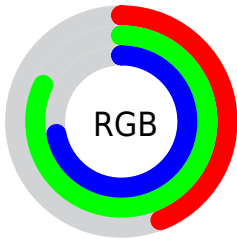
Format	Color
RYB	113, 169, 210
Decimal	7459512
CIELab	77.91, -34.83, 4.03
CIELCh	78, 35.058, 173.402
Yxy	53.0646, 0.2653, 0.3656
Android (android.graphics.Color)	4285649592 (0xFF71D2B8)
YUV	178.0330, 2.9417, -57.0339
Hunter-Lab	72.8455, -33.1231, 7.3883

Details

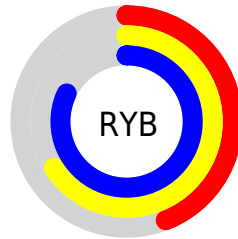
The Yxy color **53.0646, 0.2653, 0.3656** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.3678, 0.4026, 0.2967**, and the grayscale version is **44.5404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3573, 0.2723, 0.3455**, and **25.8936, 0.2527, 0.3761** is the 20% darker color. If you saturate the color by 10%, you get **51.6006, 0.2583, 0.3751**, and if you desaturate by 10%, it is **54.8644, 0.2738, 0.3565**.

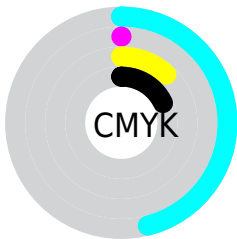
Distribution



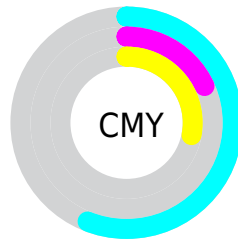
- Red (44%)
- Green (82%)
- Blue (72%)



- Red (44%)
- Yellow (66%)
- Blue (82%)



- Cyan (46%)
- Magenta (0%)
- Yellow (12%)
- Black (18%)





- Cyan (56%)
- Magenta (18%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0646, 0.2653, 0.3656 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 53.0646, 0.2653, 0.3656 by changing the saturation by 10% instead.


 53.0646, 0.2653,
0.3656


 53.0646, 0.2653,
0.3656


398.5329, 0.2886,
0.3474


 37.8543, 0.2596,
0.3701


 94.6994, 0.2736,
0.3590

 25.8697, 0.2524,
0.3759


 121.8928, 0.2768,
0.3565

 16.7262, 0.2430,
0.3835


 153.8493, 0.2795,
0.3544

 10.0394, 0.2302,
0.3941

190.9533, 0.2818,
0.3526

 5.4251, 0.2116,
0.4097

233.5893, 0.2838,
0.3511

 2.4988, 0.1827,
0.4350

282.1417, 0.2856,

 0.8760, 0.0000,

0.3497

0.5658

336.9947, 0.2872,
0.3485

0.0000, 0.0000,
0.0000

53.0646, 0.2653,
0.3656

53.0646, 0.2653,
0.3656

51.6006, 0.2583,
0.3751

54.8644, 0.2738,
0.3565

50.4434, 0.2531,
0.3850

57.0142, 0.2835,
0.3481

49.5695, 0.2499,
0.3951

59.5349, 0.2942,
0.3402


48.9493, 0.2486,
0.4052


62.4440, 0.3055,
0.3331


48.5452, 0.2492,
0.4152

65.7577, 0.3172,
0.3266

 48.4223, 0.2497,
0.4189

 69.4915, 0.3290,
0.3209

 72.7051, 0.3371,
0.3156

 73.0142, 0.3330,
0.3100

 73.3334, 0.3289,
0.3045

Harmonies

Analogous

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



53.0646, 0.3081, 0.4024



53.0646, 0.2653, 0.3656



53.0646, 0.2364, 0.3189

Triad

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



53.0646, 0.2653, 0.3656



53.0646, 0.2679, 0.2546



53.0646, 0.4065, 0.3677

Complementary

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



53.0646, 0.2653, 0.3656



27.3678, 0.4026, 0.2967

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.



53.0646, 0.3950, 0.3304



53.0646, 0.2653, 0.3656



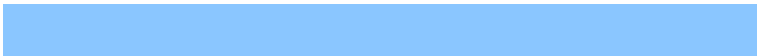
53.0646, 0.3117, 0.2681

Square

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



53.0646, 0.2653, 0.3656



53.0646, 0.2380, 0.2580



53.0646, 0.3592, 0.2950



53.0646, 0.3908, 0.3991

Rectangle

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



53.0646, 0.2653, 0.3656



53.0646, 0.2278, 0.2913



53.0646, 0.3592, 0.2950



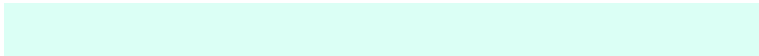
53.0646, 0.4058, 0.3555

Sweetspot

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



53.0667, 0.2653, 0.3656



93.2462, 0.2965, 0.3387



52.9036, 0.3247, 0.4653



19.7593, 0.2940, 0.3403



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.



53.0667, 0.2653, 0.3656



80.1810, 0.2587, 0.3746



44.5491, 0.2461, 0.2993



13.3508, 0.3018, 0.3353



29.5522, 0.2493, 0.4175



1.6652, 0.2442, 0.3992

Inverse Universe

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



27.3678, 0.4026, 0.2967



35.7414, 0.4322, 0.2913



31.9419, 0.4241, 0.3557



11.8595, 0.3249, 0.3228



8.5477, 0.5856, 0.3000



0.4913, 0.5322, 0.2705

Previews

White Background



This preview shows how the Yxy color 53.0646, 0.2653, 0.3656 looks on a white background.

Color Contrast Check

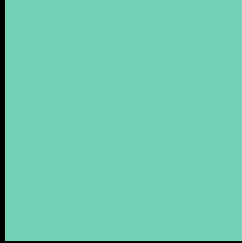
Large Text (above 18pt) WCAG AA × Fail

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 53.0646, 0.2653, 0.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

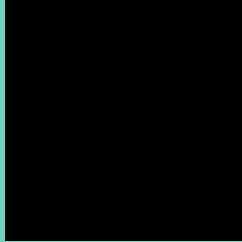
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

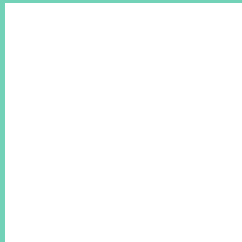
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.0646, 0.2653, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 53.0646, 0.2653, 0.3656.



This preview shows how white text looks on a background with the Yxy color 53.0646, 0.2653, 0.3656.

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

53.0646, 0.2653, 0.3656

Protanopia

52.4597, 0.3325, 0.3501

Deuteranopia

52.2209, 0.3316, 0.3243



Tritanopia

53.0941, 0.2495, 0.3077

Trichromacy



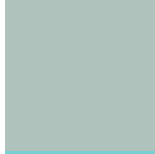
Original Color

53.0646, 0.2653, 0.3656



Protanomaly

51.9274, 0.3037, 0.3554



Deuteranomaly

51.2854, 0.3028, 0.3380



Tritanomaly

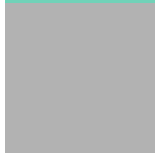
53.1017, 0.2547, 0.3275

Monochromacy



Original Color

53.0646, 0.2653, 0.3656



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

46.9922, 0.2916, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0646, 0.2653, 0.3656 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(113, 210, 184)` looks like.

```
.text, #text, p{  
    color:rgb(113, 210, 184)  
}
```

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(113, 210, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 210, 184) }
```

Border

The CSS property to change the border of an element to Yxy 53.0646, 0.2653, 0.3656 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(113, 210, 184) }
```

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

```
.border{ border-color:rgb(113, 210, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 210, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 210, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 210, 184); box-shadow:4px 4px 4px 4px rgb(113, 210, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0646, 0.2653, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 210, 184) }
```

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

```
.background{ background-color: rgb(113,  
210, 184) }
```

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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