

Converting Colors

$Y_{xy}(60.2982, 0.2550, 0.3372)$

Have a look what the booklet for
Yxy(60.2982, 0.2550, 0.3372)
contains.

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Color

Yxy(60.5610, 0.2552, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	78DDD6
RGB	120, 221, 214
RGB Percent	47%, 87%, 84%
CMY	0.5299, 0.1332, 0.1608
CMYK	0.46, 0.00, 0.03, 0.13
HSL	176°, 60%, 67%
HSV	176°, 46%, 87%
XYZ	45.7253, 60.5610, 72.8882
YIQ	190.0030, -57.9490, -23.5890

Conversions

Conversions Part 2

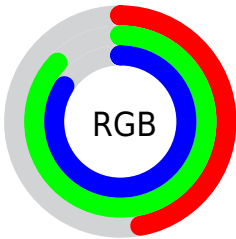
Format	Color
RYB	120, 172, 221
Decimal	7921110
CIELab	82.14, -31.25, -5.75
CIELCh	82, 31.770, 190.419
Yxy	60.5610, 0.2552, 0.3380
Android (android.graphics.Color)	4286111190 (0xFF78DDD6)
YUV	190.0030, 11.8305, -61.3926
Hunter-Lab	77.8209, -31.3052, -1.0572

Details

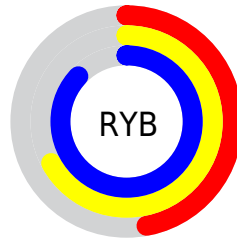
The Yxy color **60.5610, 0.2552, 0.3380** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.3093, 0.4273, 0.3210**, and the grayscale version is **51.4343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **30.3741, 0.2411, 0.3395** is the 20% darker color. If you saturate the color by 10%, you get **59.0851, 0.2466, 0.3403**, and if you desaturate by 10%, it is **62.4070, 0.2655, 0.3358**.

Distribution



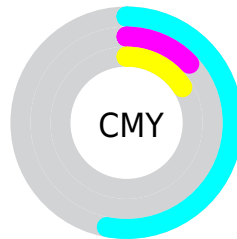
- Red (47%)
- Green (87%)
- Blue (84%)



- Red (47%)
- Yellow (67%)
- Blue (87%)



- Cyan (46%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)





- Cyan (53%)
- Magenta (13%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.5610, 0.2552, 0.3380 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 60.5610, 0.2552, 0.3380 by changing the saturation by 10% instead.


 60.5610, 0.2552,
0.3380


 60.5610, 0.2552,
0.3380


426.6625, 0.2823,
0.3342


 43.8710, 0.2489,
0.3388


 105.6430, 0.2647,
0.3367

 30.5691, 0.2411,
0.3397


 134.8038, 0.2684,
0.3362

 20.2709, 0.2311,
0.3407


 168.8904, 0.2715,
0.3358

 12.5921, 0.2180,
0.3419

208.2870, 0.2742,
0.3354

 7.1483, 0.1999,
0.3432

253.3781, 0.2766,
0.3350

 3.5550, 0.1739,
0.3442

304.5482, 0.2787,

 1.4279, 0.1250,

0.3347

362.1815, 0.2806,
0.3344

0.3468

0.2372, 0.0000,
0.2644

0.0000, 0.0000,
0.0000

60.5610, 0.2552,
0.3380

60.5610, 0.2552,
0.3380

59.0851, 0.2466,
0.3403

62.4070, 0.2655,
0.3358

57.9466, 0.2398,
0.3426


64.6389, 0.2774,
0.3337

57.1192, 0.2350,
0.3450


67.2803, 0.2904,
0.3318


56.5694, 0.2321,
0.3473


70.3507, 0.3044,
0.3300

 56.2559, 0.2309,
0.3496

 73.8685, 0.3190,
0.3283

 56.1638, 0.2307,
0.3506

 77.8511, 0.3339,
0.3269

 78.4071, 0.3347,
0.3253

 78.4913, 0.3336,
0.3238

 78.5762, 0.3325,
0.3223

Harmonies

Analogous

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



60.5610, 0.2869, 0.3761



60.5610, 0.2552, 0.3380



60.5610, 0.2390, 0.3000

Triad

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



60.5610, 0.2552, 0.3380



60.5610, 0.2945, 0.2687



60.5610, 0.3892, 0.3800

Complementary

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



60.5610, 0.2552, 0.3380



30.3093, 0.4273, 0.3210

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.



60.5610, 0.3926, 0.3496



60.5610, 0.2552, 0.3380



60.5610, 0.3358, 0.2878

Square

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



60.5610, 0.2552, 0.3380



60.5610, 0.2605, 0.2632



60.5610, 0.3726, 0.3166



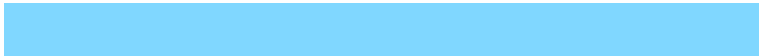
60.5610, 0.3646, 0.3996

Rectangle

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



60.5610, 0.2552, 0.3380



60.5610, 0.2382, 0.2807



60.5610, 0.3726, 0.3166



60.5610, 0.3929, 0.3706

Sweetspot

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



60.5634, 0.2552, 0.3380



93.6877, 0.2926, 0.3315



57.6908, 0.3112, 0.4700



19.8678, 0.2897, 0.3319



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.



60.5634, 0.2552, 0.3380



81.7555, 0.2468, 0.3402



41.3977, 0.2414, 0.2710



14.8131, 0.2992, 0.3306



32.6260, 0.2306, 0.3503



2.1185, 0.2296, 0.3465

Inverse Universe

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



30.3093, 0.4273, 0.3210



34.9326, 0.4670, 0.3198



42.5770, 0.4111, 0.3794



13.0661, 0.3281, 0.3274



8.9566, 0.6321, 0.3256



0.5855, 0.6095, 0.3131

Previews

White Background



This preview shows how the Yxy color 60.5610, 0.2552, 0.3380 looks on a white background.

Color Contrast Check

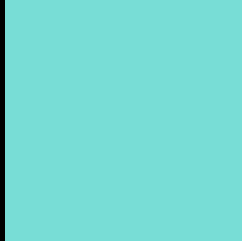
Large Text (above 18pt) WCAG AA × Fail

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 60.5610, 0.2552, 0.3380 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

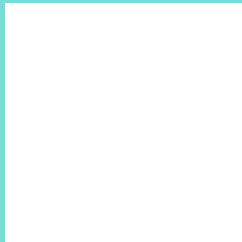
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.5610, 0.2552, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 60.5610, 0.2552, 0.3380.

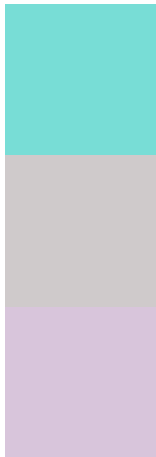


This preview shows how white text looks on a background with the Yxy color 60.5610, 0.2552, 0.3380.

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

60.5610, 0.2552, 0.3380

Protanopia

59.8183, 0.3159, 0.3278

Deuteranopia

59.6459, 0.3115, 0.3043



Tritanopia

60.5766, 0.2471, 0.3075

Trichromacy



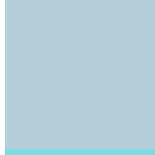
Original Color

60.5610, 0.2552, 0.3380



Protanomaly

59.2199, 0.2896, 0.3314



Deuteranomaly

58.9761, 0.2872, 0.3157



Tritanomaly

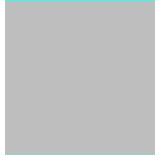
60.4942, 0.2502, 0.3186

Monochromacy



Original Color

60.5610, 0.2552, 0.3380



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.8961, 0.2873, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.5610, 0.2552, 0.3380 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(120, 221, 214)` looks like.

```
.text, #text, p{  
    color:rgb(120, 221, 214)  
}
```

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(120, 221, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 221, 214) }
```

Border

The CSS property to change the border of an element to Yxy 60.5610, 0.2552, 0.3380 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(120, 221, 214) }
```

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

```
.border{ border-color:rgb(120, 221, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 221, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 221, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 221, 214);  
box-shadow:4px 4px 4px 4px rgb(120, 221,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 60.5610, 0.2552, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 221, 214) }
```

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

```
.background{ background-color: rgb(120,  
221, 214) }
```

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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