

Converting Colors

$Yxy(56.2647, 0.2631, 0.3578)$

Have a look what the booklet for
Yxy(56.2647, 0.2631, 0.3578)
contains.

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Color

Yxy(56.2778, 0.2629, 0.3576)

Conversions

Conversions Part 1

Format	Color
Hex	75D7C2
RGB	117, 215, 194
RGB Percent	46%, 84%, 76%
CMY	0.5412, 0.1568, 0.2392
CMYK	0.46, 0.00, 0.10, 0.16
HSL	167°, 55%, 65%
HSV	167°, 46%, 84%
XYZ	41.3743, 56.2778, 59.7243
YIQ	183.3040, -51.6670, -27.3070

Conversions

Conversions Part 2

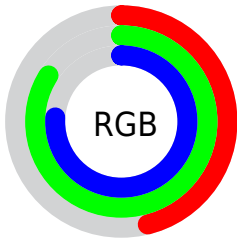
Format	Color
RYB	117, 172, 215
Decimal	7722946
CIELab	79.77, -33.87, 1.41
CIELCh	80, 33.901, 177.622
Yxy	56.2778, 0.2629, 0.3576
Android (android.graphics.Color)	4285913026 (0xFF75D7C2)
YUV	183.3040, 5.2731, -58.1486
Hunter-Lab	75.0185, -32.8360, 5.3106

Details

The Yxy color **56.2778, 0.2629, 0.3576** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.0049, 0.4078, 0.3035**, and the grayscale version is **47.5222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4208, 0.2695, 0.3343**, and **27.9649, 0.2505, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **54.7541, 0.2554, 0.3651**, and if you desaturate by 10%, it is **58.1544, 0.2720, 0.3505**.

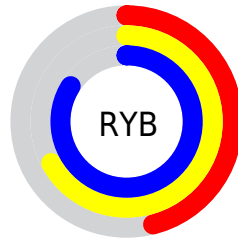
Distribution



Red (46%)

Green (84%)

Blue (76%)



Red (46%)

Yellow (67%)

Blue (84%)

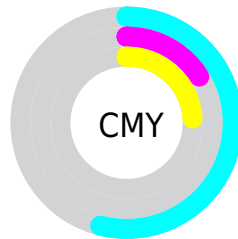


Cyan (46%)

Magenta (0%)

Yellow (10%)

Black (16%)



Cyan (54%)


Magenta (16%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2778, 0.2629, 0.3576 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 56.2778, 0.2629, 0.3576 by changing the saturation by 10% instead.


 56.2778, 0.2629,
0.3576

 56.2778, 0.2629,
0.3576


410.7376, 0.2870,
0.3437

 40.4257, 0.2572,
0.3609


 99.4106, 0.2715,
0.3526

 27.8706, 0.2499,
0.3652


 127.4602, 0.2747,
0.3508

 18.2281, 0.2405,
0.3707


 160.3443, 0.2775,
0.3491

 11.1139, 0.2279,
0.3782

198.4474, 0.2799,
0.3478

 6.1435, 0.2100,
0.3888

242.1539, 0.2820,
0.3466

 2.9325, 0.1830,
0.4052

291.8481, 0.2839,

 1.0966, 0.0845,

0.3455

0.4603

347.9146, 0.2855,
0.3445

0.0000, 0.0000,
0.0000

56.2778, 0.2629,
0.3576

56.2778, 0.2629,
0.3576

54.7541, 0.2554,
0.3651

58.1544, 0.2720,
0.3505

53.5527, 0.2496,
0.3728

60.3987, 0.2823,
0.3438

52.6491, 0.2458,
0.3807


63.0327, 0.2937,
0.3376


52.0122, 0.2440,
0.3886

66.0747, 0.3058,
0.3319


51.6035, 0.2440,
0.3964

69.5421, 0.3183,
0.3268

 51.4652, 0.2444,
0.3999

 73.4508, 0.3310,
0.3222

 75.3676, 0.3344,
0.3178

 75.6243, 0.3311,
0.3132

 75.8878, 0.3279,
0.3087

Harmonies

Analogous

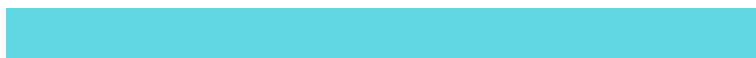
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.2778, 0.3023, 0.3947



56.2778, 0.2629, 0.3576



56.2778, 0.2377, 0.3137

Triad

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



56.2778, 0.2629, 0.3576



56.2778, 0.2754, 0.2590



56.2778, 0.4011, 0.3709

Complementary

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



56.2778, 0.2629, 0.3576



29.0049, 0.4078, 0.3035

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.



56.2778, 0.3938, 0.3356



56.2778, 0.2629, 0.3576



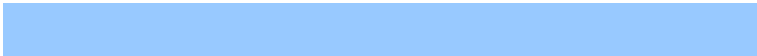
56.2778, 0.3183, 0.2739

Square

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



56.2778, 0.2629, 0.3576



56.2778, 0.2446, 0.2600



56.2778, 0.3626, 0.3011



56.2778, 0.3830, 0.3989

Rectangle

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



56.2778, 0.2629, 0.3576



56.2778, 0.2313, 0.2887



56.2778, 0.3626, 0.3011



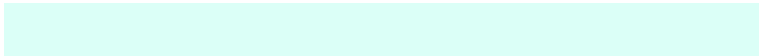
56.2778, 0.4016, 0.3595

Sweetspot

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



56.2800, 0.2629, 0.3576



93.3638, 0.2954, 0.3367



55.3104, 0.3200, 0.4654



19.7881, 0.2929, 0.3380



0.0000, 0.0000, 0.0000



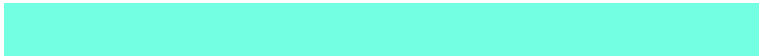
21.4041, 0.3127, 0.3290

Same Dimension

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



56.2800, 0.2629, 0.3576



80.5816, 0.2554, 0.3650



44.3292, 0.2452, 0.2904



14.0602, 0.3011, 0.3340



30.7973, 0.2441, 0.3987



1.8692, 0.2403, 0.3852

Inverse Universe

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



29.0049, 0.4078, 0.3035



35.5026, 0.4416, 0.2990



35.9117, 0.4182, 0.3634



12.4639, 0.3258, 0.3240



8.7722, 0.6023, 0.3092



0.5415, 0.5534, 0.2822

Previews

White Background



This preview shows how the Yxy color 56.2778, 0.2629, 0.3576 looks on a white background.

Color Contrast Check

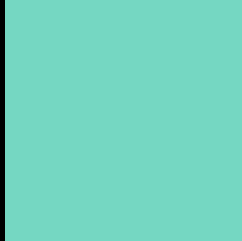
Large Text (above 18pt) WCAG AA × Fail

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 56.2778, 0.2629, 0.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

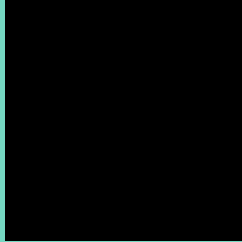
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

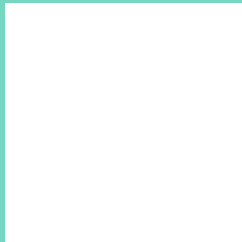
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.2778, 0.2629, 0.3576

Background



This preview shows how black text looks on a background with the Yxy color 56.2778, 0.2629, 0.3576.

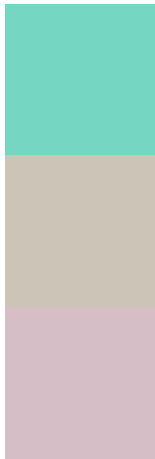


This preview shows how white text looks on a background with the Yxy color 56.2778, 0.2629, 0.3576.

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

56.2778, 0.2629, 0.3576

Protanopia

55.5953, 0.3282, 0.3448

Deuteranopia

55.2466, 0.3255, 0.3186



Tritanopia

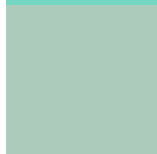
56.0749, 0.2491, 0.3069

Trichromacy



Original Color

56.2778, 0.2629, 0.3576



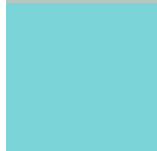
Protanomaly

55.0704, 0.3005, 0.3495



Deuteranomaly

54.4618, 0.2988, 0.3315



Tritanomaly

56.2042, 0.2542, 0.3249

Monochromacy



Original Color

56.2778, 0.2629, 0.3576



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

49.9890, 0.2907, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2778, 0.2629, 0.3576 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(117, 215, 194)` looks like.

```
.text, #text, p{  
    color:rgb(117, 215, 194)  
}
```

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(117, 215, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 215, 194) }
```

Border

The CSS property to change the border of an element to Yxy 56.2778, 0.2629, 0.3576 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(117, 215, 194) }
```

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

```
.border{ border-color:rgb(117, 215, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 215, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 215, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 215, 194);  
box-shadow:4px 4px 4px 4px rgb(117, 215,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2778, 0.2629, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 215, 194) }
```

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

```
.background{ background-color: rgb(117,  
215, 194) }
```

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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