

Converting Colors

$Yxy(56.1818, 0.2729, 0.3180)$

Have a look what the booklet for
Yxy(56.1818, 0.2729, 0.3180)
contains.

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Color

Yxy(56.2170, 0.2725, 0.3175)

Conversions

Conversions Part 1

Format	Color
Hex	9DCED7
RGB	157, 206, 215
RGB Percent	62%, 81%, 84%
CMY	0.3841, 0.1922, 0.1569
CMYK	0.27, 0.04, 0.00, 0.16
HSL	189°, 42%, 73%
HSV	189°, 27%, 84%
XYZ	48.2492, 56.2170, 72.5952
YIQ	192.3750, -32.0930, -7.5890

Conversions

Conversions Part 2

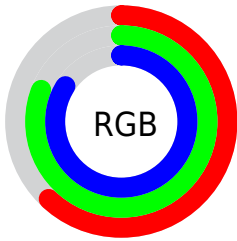
Format	Color
RYB	157, 184, 215
Decimal	10342103
CIELab	79.74, -13.80, -9.66
CIELCh	80, 16.843, 214.984
Yxy	56.2170, 0.2725, 0.3175
Android (android.graphics.Color)	4288532183 (0xFF9DCED7)
YUV	192.3750, 11.1541, -31.0239
Hunter-Lab	74.9780, -16.3446, -4.9212

Details

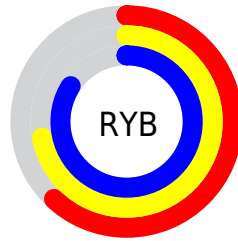
The Yxy color **56.2170, 0.2725, 0.3175** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.1780, 0.3678, 0.3402**, and the grayscale version is **52.8977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **27.9376, 0.2627, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **52.6510, 0.2590, 0.3126**, and if you desaturate by 10%, it is **60.2023, 0.2869, 0.3221**.

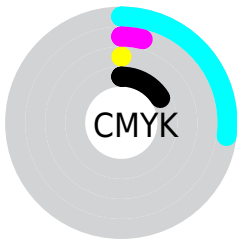
Distribution



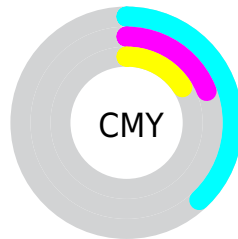
- Red (62%)
- Green (81%)
- Blue (84%)



- Red (62%)
- Yellow (72%)
- Blue (84%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)



- Cyan (38%)
- Magenta (19%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.2170, 0.2725, 0.3175 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 56.2170, 0.2725, 0.3175 by changing the saturation by 10% instead.

■ 56.2170, 0.2725,
0.3175

■ 56.2170, 0.2725,
0.3175

■ 410.5088, 0.2917,
0.3234

■ 40.3769, 0.2680,
0.3160

■ 99.3218, 0.2793,
0.3196

■ 27.8326, 0.2623,
0.3141

■ 127.3553, 0.2819,
0.3204

■ 18.1995, 0.2549,
0.3115

■ 160.2221, 0.2841,
0.3211

■ 11.0933, 0.2451,
0.3080

■ 198.3065, 0.2861,
0.3217

■ 6.1296, 0.2314,
0.3026

■ 241.9930, 0.2877,
0.3222

■ 2.9241, 0.2108,
0.2939

■ 291.6659, 0.2892,

■ 1.0922, 0.1751,

0.3226

0.2781

347.7097, 0.2905,
0.3230

0.0000, 0.0000,
0.0000

56.2170, 0.2725,
0.3175

56.2170, 0.2725,
0.3175

52.6510, 0.2590,
0.3126

60.2023, 0.2869,
0.3221

49.4773, 0.2467,
0.3074

64.6188, 0.3020,
0.3263

46.6762, 0.2360,
0.3021

69.4862, 0.3174,
0.3301

44.2235, 0.2270,
0.2966

74.8210, 0.3329,
0.3336

42.0917, 0.2200,
0.2910

78.7810, 0.3413,
0.3368

■ 40.2486, 0.2148,
0.2854

■ 80.5810, 0.3407,
0.3402

■ 38.6523, 0.2115,
0.2800

■ 82.4164, 0.3402,
0.3435

■ 38.1921, 0.2106,
0.2783

■ 84.2874, 0.3397,
0.3468

■ 86.1942, 0.3392,
0.3500

Harmonies

Analogous

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



56.2170, 0.2838, 0.3382



56.2170, 0.2725, 0.3175



56.2170, 0.2716, 0.3010

Triad

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



56.2170, 0.2725, 0.3175



56.2170, 0.3216, 0.3034



56.2170, 0.3445, 0.3663

Complementary

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



56.2170, 0.2725, 0.3175



44.1780, 0.3678, 0.3402

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.



56.2170, 0.3555, 0.3553



56.2170, 0.2725, 0.3175



56.2170, 0.3421, 0.3194

Square

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



56.2170, 0.2725, 0.3175



56.2170, 0.2993, 0.2938



56.2170, 0.3547, 0.3381



56.2170, 0.3251, 0.3672

Rectangle

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



56.2170, 0.2725, 0.3175



56.2170, 0.2769, 0.2945



56.2170, 0.3547, 0.3381



56.2170, 0.3493, 0.3636

Sweetspot

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



56.2193, 0.2725, 0.3175



94.3280, 0.3003, 0.3258



58.5174, 0.3036, 0.3941



19.9722, 0.2980, 0.3252



0.0000, 0.0000, 0.0000



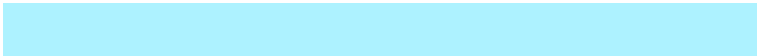
21.4041, 0.3127, 0.3290

Same Dimension

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



56.2193, 0.2725, 0.3175



79.8439, 0.2651, 0.3149



43.6575, 0.2688, 0.2796



13.7638, 0.2983, 0.3253



22.9715, 0.2109, 0.2791



1.4762, 0.2135, 0.2886

Inverse Universe

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



43.0361, 0.3237, 0.2719



57.7307, 0.3263, 0.2605



55.7871, 0.3590, 0.3739



12.5980, 0.3161, 0.3095



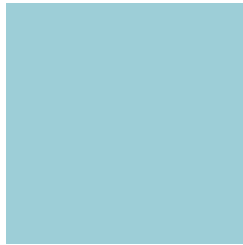
10.6638, 0.3643, 0.1780



0.6523, 0.3556, 0.1733

Previews

White Background



This preview shows how the Yxy color 56.2170, 0.2725, 0.3175 looks on a white background.

Color Contrast Check

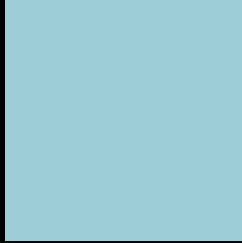
Large Text (above 18pt) WCAG AA × Fail

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 56.2170, 0.2725, 0.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

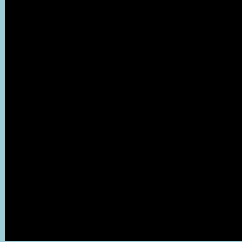
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

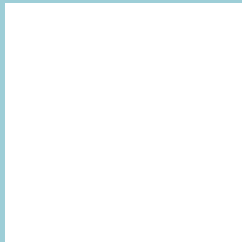
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.2170, 0.2725, 0.3175

Background



This preview shows how black text looks on a background with the Yxy color 56.2170, 0.2725, 0.3175.



This preview shows how white text looks on a background with the Yxy color 56.2170, 0.2725, 0.3175.

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

56.2170, 0.2725, 0.3175

Protanopia

55.9536, 0.3041, 0.3135

Deuteranopia

56.0266, 0.3054, 0.2990



Tritanopia

56.1522, 0.2694, 0.3089

Trichromacy



Original Color

56.2170, 0.2725, 0.3175

Protanomaly

55.9568, 0.2915, 0.3155

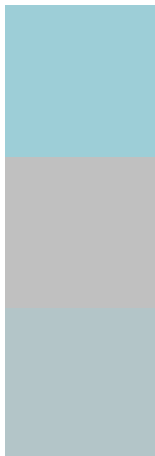
Deuteranomaly

55.7611, 0.2925, 0.3050

Tritanomaly

56.0462, 0.2706, 0.3113

Monochromacy



Original Color

56.2170, 0.2725, 0.3175

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.6863, 0.2967, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2170, 0.2725, 0.3175 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(157, 206, 215)` looks like.

```
.text, #text, p{  
    color:rgb(157, 206, 215)  
}
```

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(157, 206, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 206, 215) }
```

Border

The CSS property to change the border of an element to Yxy 56.2170, 0.2725, 0.3175 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(157, 206, 215) }
```

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

```
.border{ border-color:rgb(157, 206, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 206, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 206, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 206, 215);  
box-shadow:4px 4px 4px 4px rgb(157, 206,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2170, 0.2725, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 206, 215) }
```

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

```
.background{ background-color: rgb(157,  
206, 215) }
```

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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