

Converting Colors

$Y_{xy}(55.3805, 0.3141, 0.3313)$

Have a look what the booklet for
Yxy(55.3805, 0.3141, 0.3313)
contains.

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Color

Yxy(55.1557, 0.3135, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	C4C4C3
RGB	196, 196, 195
RGB Percent	77%, 77%, 76%
CMY	0.2311, 0.2314, 0.2353
CMYK	0.00, 0.00, 0.01, 0.23
HSL	56°, 1%, 77%
HSV	56°, 1%, 77%
XYZ	52.3662, 55.1557, 59.5154
YIQ	195.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

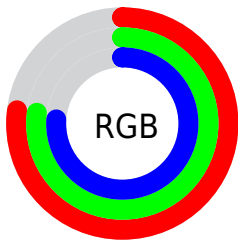
Format	Color
RYB	195, 196, 195
Decimal	12895427
CIELab	79.13, -0.15, 0.49
CIELCh	79, 0.515, 106.967
Yxy	55.1557, 0.3135, 0.3302
Android (android.graphics.Color)	4291085507 (0xFFC4C4C3)
YUV	195.8860, -0.4368, 0.1000
Hunter-Lab	74.2669, -4.1053, 4.4735

Details

The Yxy color **55.1557, 0.3135, 0.3302** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **54.6526, 0.3119, 0.3278**, and the grayscale version is **55.1383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1615, 0.3133, 0.3300**, and **27.0199, 0.3137, 0.3306** is the 20% darker color. If you saturate the color by 10%, you get **53.7380, 0.3284, 0.3530**, and if you desaturate by 10%, it is **56.6998, 0.2994, 0.3085**.

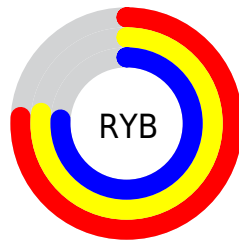
Distribution



Red (77%)

Green (77%)

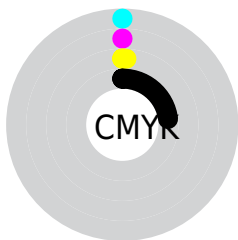
Blue (76%)



Red (76%)

Yellow (77%)

Blue (76%)

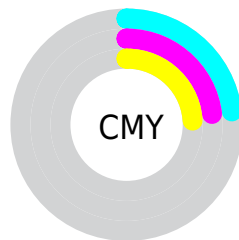


Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (23%)



Cyan (23%)

Magenta (23%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1557, 0.3135, 0.3302 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 55.1557, 0.3135, 0.3302 by changing the saturation by 10% instead.

■ 55.1557, 0.3135,
0.3302

■ 55.1557, 0.3135,
0.3302

406.5019, 0.3131,
0.3296

■ 39.5264, 0.3136,
0.3303

■ 97.7690, 0.3134,
0.3300

■ 27.1695, 0.3137,
0.3305

125.5219, 0.3133,
0.3299

■ 17.7005, 0.3139,
0.3307

158.0847, 0.3133,
0.3299

■ 10.7352, 0.3141,
0.3311

195.8418, 0.3132,
0.3298

■ 5.8891, 0.3144,
0.3315

239.1777, 0.3132,
0.3297

■ 2.7777, 0.3148,
0.3322

288.4768, 0.3132,

■ 1.0168, 0.3157,

0.3297

0.3335

344.1233, 0.3131,
0.3297

0.0000, 0.0000,
0.0000

55.1557, 0.3135,
0.3302

55.1557, 0.3135,
0.3302

53.7380, 0.3284,
0.3530

56.6998, 0.2994,
0.3085

52.4351, 0.3439,
0.3764

58.3674, 0.2863,
0.2881

51.2446, 0.3597,
0.3998

60.1649, 0.2743,
0.2693

50.1612, 0.3751,
0.4225

60.8523, 0.2737,
0.2696

49.1794, 0.3897,
0.4434

61.4689, 0.2738,
0.2711

■ 48.2931, 0.4028,
0.4616

■ 62.0909, 0.2739,
0.2726

■ 47.4955, 0.4138,
0.4763

■ 62.7181, 0.2740,
0.2741

■ 46.7789, 0.4223,
0.4868

■ 63.3506, 0.2741,
0.2756

■ 46.1340, 0.4281,
0.4929

■ 63.9884, 0.2743,
0.2771

Harmonies

Analogous

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



55.1557, 0.3139, 0.3300



55.1557, 0.3135, 0.3302



55.1557, 0.3129, 0.3301

Triad

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



55.1557, 0.3135, 0.3302



55.1557, 0.3114, 0.3285



55.1557, 0.3133, 0.3284

Complementary

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



55.1557, 0.3135, 0.3302



54.6526, 0.3119, 0.3278

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.



55.1557, 0.3126, 0.3280



55.1557, 0.3135, 0.3302



55.1557, 0.3115, 0.3280

Square

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



55.1557, 0.3135, 0.3302



55.1557, 0.3116, 0.3291



55.1557, 0.3120, 0.3278



55.1557, 0.3138, 0.3290

Rectangle

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



55.1557, 0.3135, 0.3302



55.1557, 0.3124, 0.3298



55.1557, 0.3120, 0.3278



55.1557, 0.3131, 0.3282

Sweetspot

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



55.1581, 0.3135, 0.3302

100.0000, 0.3127, 0.3290



54.7182, 0.3135, 0.3289



21.4041, 0.3127, 0.3290



0.0000, 0.0000, 0.0000

Same Dimension

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



55.1581, 0.3135, 0.3302



99.7278, 0.3142, 0.3313



55.1310, 0.3131, 0.3303



11.8981, 0.3141, 0.3311



29.3138, 0.4314, 0.4957



1.3020, 0.4284, 0.4980

Inverse Universe

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



54.6526, 0.3119, 0.3278



98.0111, 0.3112, 0.3267



54.6796, 0.3123, 0.3277



11.7093, 0.3114, 0.3269



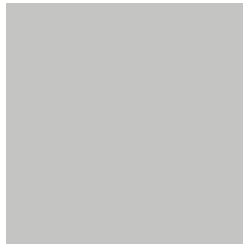
2.7951, 0.1514, 0.0649



0.1589, 0.1563, 0.0826

Previews

White Background



This preview shows how the Yxy color 55.1557, 0.3135, 0.3302 looks on a white background.

Color Contrast Check

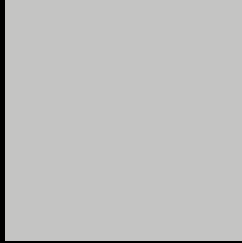
Large Text (above 18pt) WCAG AA × Fail

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 55.1557, 0.3135, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

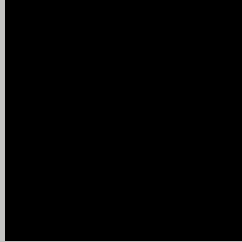
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

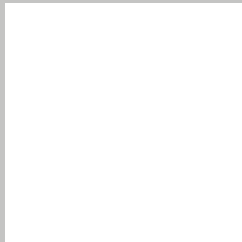
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.1557, 0.3135, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 55.1557, 0.3135, 0.3302.

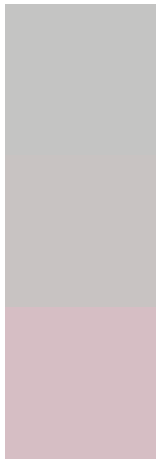


This preview shows how white text looks on a background with the Yxy color 55.1557, 0.3135, 0.3302.

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

55.1557, 0.3135, 0.3302

Protanopia

55.2046, 0.3175, 0.3302

Deuteranopia

55.1086, 0.3279, 0.3220



Tritanopia

55.1928, 0.3049, 0.3111

Trichromacy



Original Color

55.1557, 0.3135, 0.3302

Protanomaly

55.0674, 0.3167, 0.3302

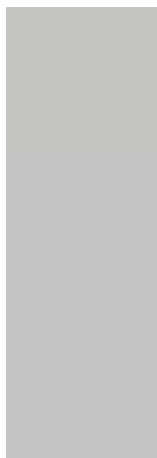
Deuteranomaly

54.9502, 0.3219, 0.3243

Tritanomaly

55.2602, 0.3077, 0.3182

Monochromacy



Original Color

55.1557, 0.3135, 0.3302

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.2011, 0.3127, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1557, 0.3135, 0.3302 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(196, 196, 195)` looks like.

```
.text, #text, p{  
    color:rgb(196, 196, 195)  
}
```

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(196, 196, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 196, 195) }
```

Border

The CSS property to change the border of an element to Yxy 55.1557, 0.3135, 0.3302 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(196, 196, 195) }
```

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

```
.border{ border-color:rgb(196, 196, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 196, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 196, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 196, 195);  
box-shadow:4px 4px 4px 4px rgb(196, 196,  
195) }
```

Background

The CSS property to change the background color of an element to Yxy 55.1557, 0.3135, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 196, 195) }
```

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

```
.background{ background-color: rgb(196,  
196, 195) }
```

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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