

Converting Colors

$Y_{xy}(55.9590, 0.2766, 0.2594)$

Have a look what the booklet for
Yxy(55.9590, 0.2766, 0.2594)
contains.

| | |
|---|----|
| Yxy(56.1345, 0.2772, 0.2602) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(56.1345, 0.2772, 0.2602)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C8BEFC |
| RGB | 200, 190, 252 |
| RGB Percent | 78%, 75%, 99% |
| CMY | 0.2158, 0.2549, 0.0117 |
| CMYK | 0.21, 0.25, 0.00, 0.01 |
| HSL | 250°, 91%, 87% |
| HSV | 250°, 25%, 99% |
| XYZ | 59.8020, 56.1345, 99.7995 |
| YIQ | 200.0580, -13.9420, 21.4020 |

Conversions

Conversions Part 2

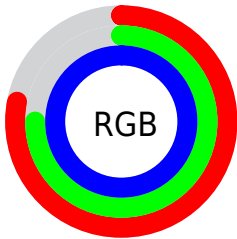
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 200, 190, 252 |
| Decimal | 13156092 |
| CIE Lab | 79.69, 15.99, -29.29 |
| CIE LCh | 80, 33.372, 298.625 |
| Yxy | 56.1345, 0.2772, 0.2602 |
| Android (android.graphics.Color) | 4291346172 (0xFFC8BEFC) |
| YUV | 200.0580, 25.6074, -0.0509 |
| Hunter-Lab | 74.9230, 11.3600, -26.5299 |

Details

The Yxy color $56.1345, 0.2772, 0.2602$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $92.2424, 0.3432, 0.3921$, and the grayscale version is $57.6424, 0.3127, 0.3290$.

A 20% lighter version of the original color is $94.3915, 0.3131, 0.3204$, and $27.8512, 0.2680, 0.2449$ is the 20% darker color. If you saturate the color by 10%, you get $43.4333, 0.2596, 0.2276$, and if you desaturate by 10%, it is $71.1307, 0.2930, 0.2904$.

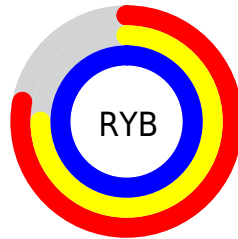
Distribution



Red (78%)

Green (75%)

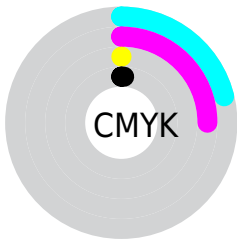
Blue (99%)



Red (78%)

Yellow (75%)

Blue (99%)

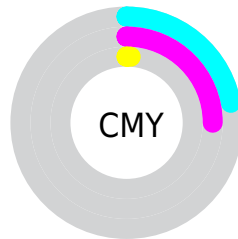


Cyan (21%)

Magenta (25%)

Yellow (0%)

Black (1%)



Cyan (22%)

Magenta (25%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1345, 0.2772, 0.2602 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 56.1345, 0.2772, 0.2602 by changing the saturation by 10% instead.

■ 56.1345, 0.2772,
0.2602

■ 56.1345, 0.2772,
0.2602

410.1982, 0.2945,
0.2920

■ 40.3108, 0.2731,
0.2530

■ 99.2012, 0.2834,
0.2712

■ 27.7809, 0.2679,
0.2441

127.2130, 0.2857,
0.2755

■ 18.1606, 0.2611,
0.2330

160.0562, 0.2877,
0.2792

■ 11.0653, 0.2522,
0.2186

198.1153, 0.2895,
0.2824

■ 6.1108, 0.2397,
0.1995

241.7746, 0.2910,
0.2853

■ 2.9126, 0.2212,
0.1730

291.4186, 0.2923,

■ 1.0863, 0.1920,

0.2878

0.1348

347.4317, 0.2935,
0.2900

0.0000, 0.1281,
0.0000

0.0000, 0.0000,
0.0000

56.1345, 0.2772,
0.2602

56.1345, 0.2772,
0.2602

43.4333, 0.2596,
0.2276

71.1307, 0.2930,
0.2904

32.9067, 0.2406,
0.1934

88.5206, 0.3069,
0.3175

24.4335, 0.2209,
0.1593

99.8099, 0.3144,
0.3318

17.8780, 0.2017,
0.1275

■ 13.0878, 0.1843,
0.1003

■ 9.8868, 0.1699,
0.0798

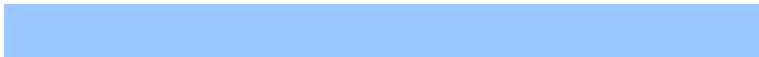
■ 8.0611, 0.1597,
0.0673

■ 7.4915, 0.1558,
0.0632

Harmonies

Analogous

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



56.1345, 0.2463, 0.2606



56.1345, 0.2772, 0.2602



56.1345, 0.3198, 0.2754

Triad

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



56.1345, 0.2772, 0.2602



56.1345, 0.3996, 0.3714



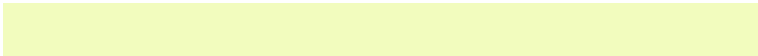
56.1345, 0.2625, 0.3557

Complementary

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



56.1345, 0.2772, 0.2602



92.2424, 0.3432, 0.3921

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.



56.1345, 0.3011, 0.3927



56.1345, 0.2772, 0.2602



56.1345, 0.3811, 0.3986

Square

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



56.1345, 0.2772, 0.2602



56.1345, 0.3932, 0.3367



56.1345, 0.3446, 0.4082



56.1345, 0.2382, 0.3126

Rectangle

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



56.1345, 0.2772, 0.2602



56.1345, 0.3495, 0.2924



56.1345, 0.3446, 0.4082



56.1345, 0.2742, 0.3696

Sweetspot

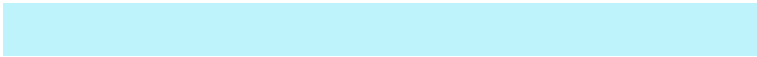
The Sweet Spot groups the original color and five complimentary colors.



56.1368, 0.2772, 0.2602



86.4040, 0.3038, 0.3113



81.9139, 0.2755, 0.3189



18.2557, 0.3030, 0.3097



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.



56.1368, 0.2772, 0.2602



50.3105, 0.2679, 0.2428



60.7363, 0.2992, 0.2644



16.7770, 0.3004, 0.3046



3.9422, 0.1568, 0.0637



0.4026, 0.1662, 0.0689

Inverse Universe

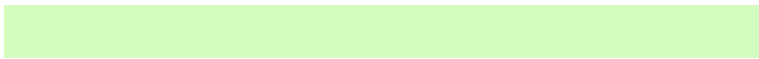
The Inverse Universe completely reimagines the original color for something new.



63.9448, 0.3230, 0.2768



59.7531, 0.3257, 0.2651



87.3100, 0.3231, 0.3963



17.4738, 0.3163, 0.3093



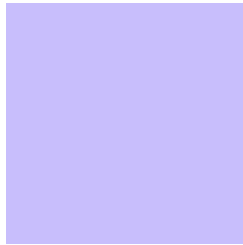
13.2616, 0.3663, 0.1792



1.2407, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 56.1345, 0.2772, 0.2602 looks on a white background.

Color Contrast Check

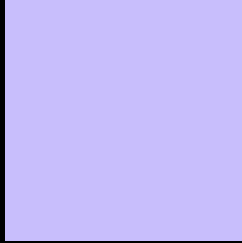
Large Text (above 18pt) WCAG AA × Fail

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 56.1345, 0.2772, 0.2602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

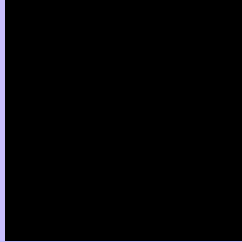
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.1345, 0.2772, 0.2602

Background



This preview shows how black text looks on a background with the Yxy color 56.1345, 0.2772, 0.2602.

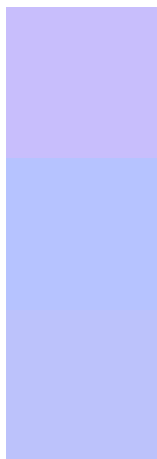


This preview shows how white text looks on a background with the Yxy color 56.1345, 0.2772, 0.2602.

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

56.1345, 0.2772, 0.2602

Protanopia

56.1953, 0.2638, 0.2608

Deuteranopia

56.2400, 0.2700, 0.2643



Tritanopia

56.0741, 0.2982, 0.3098

Trichromacy



Original Color

56.1345, 0.2772, 0.2602

Protanomaly

56.1145, 0.2688, 0.2603

Deuteranomaly

56.3114, 0.2726, 0.2636

Tritanomaly

55.8654, 0.2908, 0.2905

Monochromacy



Original Color

56.1345, 0.2772, 0.2602

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

56.8737, 0.2993, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.1345, 0.2772, 0.2602 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(200, 190, 252)` looks like.

```
.text, #text, p{  
    color:rgb(200, 190, 252)  
}
```

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(200, 190, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 190, 252) }
```

Border

The CSS property to change the border of an element to Yxy 56.1345, 0.2772, 0.2602 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(200, 190, 252) }
```

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

```
.border{ border-color:rgb(200, 190, 252) }
```

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

Here you see how a box with a 4 pixel rgb(200, 190, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 190, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 190, 252);  
box-shadow:4px 4px 4px 4px rgb(200, 190,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 56.1345, 0.2772, 0.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 190, 252) }
```

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

```
.background{ background-color: rgb(200,  
190, 252) }
```

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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