

Converting Colors

$Yxy(77.3123, 0.3055, 0.3359)$

Have a look what the booklet for
Yxy(77.3123, 0.3055, 0.3359)
contains.

Yxy(77.5965, 0.3056, 0.3365)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.5965, 0.3056, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	D7E8E1
RGB	215, 232, 225
RGB Percent	84%, 91%, 88%
CMY	0.1570, 0.0902, 0.1175
CMYK	0.07, 0.00, 0.03, 0.09
HSL	155°, 27%, 88%
HSV	155°, 7%, 91%
XYZ	70.4710, 77.5965, 82.5313
YIQ	226.1190, -7.8850, -5.7810

Conversions

Conversions Part 2

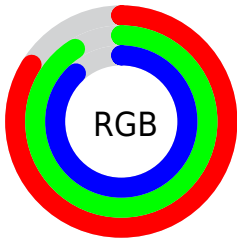
Format	Color
R _Y B	215, 226, 232
Decimal	14149857
CIE Lab	90.60, -6.92, 1.43
CIE LCh	91, 7.066, 168.316
Yxy	77.5965, 0.3056, 0.3365
Android (android.graphics.Color)	4292339937 (0xFFD7E8E1)
YUV	226.1190, -0.5517, -9.7514
Hunter-Lab	88.0889, -11.3557, 6.1128

Details

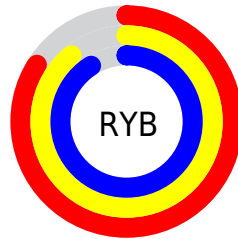
The Yxy color **77.5965, 0.3056, 0.3365** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.0159, 0.3204, 0.3216**, and the grayscale version is **76.1533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4265, 0.3037, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **73.8302, 0.2962, 0.3477**, and if you desaturate by 10%, it is **81.8961, 0.3153, 0.3264**.

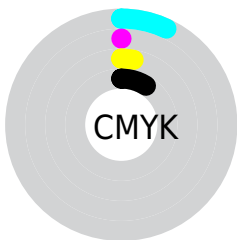
Distribution



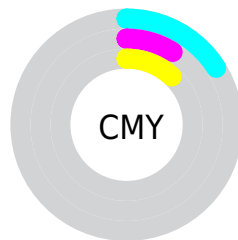
- Red (84%)
- Green (91%)
- Blue (88%)



- Red (84%)
- Yellow (89%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5965, 0.3056, 0.3365 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 77.5965, 0.3056, 0.3365 by changing the saturation by 10% instead.

■ 77.5965, 0.3056,
0.3365

■ 77.5965, 0.3056,
0.3365

486.7954, 0.3089,
0.3331

■ 57.7426, 0.3049,
0.3373

129.9812, 0.3067,
0.3353

■ 41.6017, 0.3039,
0.3382

163.2807, 0.3072,
0.3348

■ 28.7896, 0.3028,
0.3395

201.8309, 0.3076,
0.3344

■ 18.9217, 0.3013,
0.3411

246.0161, 0.3079,
0.3341

■ 11.6137, 0.2993,
0.3432

296.2208, 0.3082,
0.3338

■ 6.4812, 0.2963,
0.3463

352.8293, 0.3084,

■ 3.1398, 0.2918,

0.3335

0.3512

416.2260, 0.3087,
0.3333

■ 1.2052, 0.2838,
0.3599

■ 0.0659, 0.0000,
1.0000

■ 77.5965, 0.3056,
0.3365

■ 77.5965, 0.3056,
0.3365

■ 73.8302, 0.2962,
0.3477

■ 81.8961, 0.3153,
0.3264

■ 70.5661, 0.2872,
0.3601

■ 85.5096, 0.3207,
0.3173

■ 67.7846, 0.2791,
0.3736

■ 86.1004, 0.3147,
0.3082

■ 65.4612, 0.2721,
0.3881

■ 86.1975, 0.3138,
0.3068

■ 63.5690, 0.2666,
0.4034

■ 62.0783, 0.2628,
0.4193

■ 60.9554, 0.2610,
0.4354

■ 60.1610, 0.2612,
0.4514

■ 59.6430, 0.2634,
0.4669

Harmonies

Analogous

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



77.5965, 0.3138, 0.3418



77.5965, 0.3056, 0.3365



77.5965, 0.2993, 0.3291

Triad

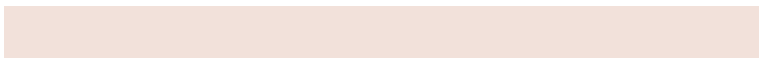
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5965, 0.3056, 0.3365



77.5965, 0.3036, 0.3148



77.5965, 0.3291, 0.3358

Complementary

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



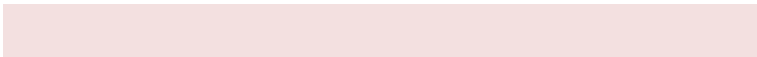
77.5965, 0.3056, 0.3365



71.0159, 0.3204, 0.3216

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.



77.5965, 0.3263, 0.3287



77.5965, 0.3056, 0.3365



77.5965, 0.3115, 0.3166

Square

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



77.5965, 0.3056, 0.3365



77.5965, 0.2982, 0.3166



77.5965, 0.3198, 0.3217



77.5965, 0.3275, 0.3413

Rectangle

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



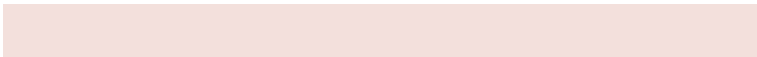
77.5965, 0.3056, 0.3365



77.5965, 0.2971, 0.3241



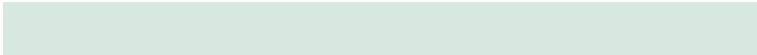
77.5965, 0.3198, 0.3217



77.5965, 0.3286, 0.3335

Sweetspot

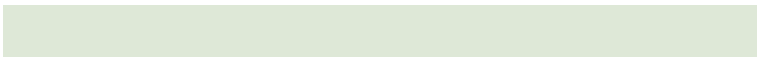
The Sweet Spot groups the original color and five complimentary colors.



77.5998, 0.3056, 0.3365



98.9120, 0.3108, 0.3310



78.1636, 0.3167, 0.3473



21.1826, 0.3109, 0.3309



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.



77.5998, 0.3056, 0.3365



95.3149, 0.3040, 0.3383



77.1916, 0.3014, 0.3274



16.2315, 0.3036, 0.3388



33.0718, 0.2635, 0.4685



2.4622, 0.2572, 0.4459

Inverse Universe

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



71.0159, 0.3204, 0.3216



85.3778, 0.3224, 0.3199



71.3765, 0.3251, 0.3306



14.4651, 0.3229, 0.3194



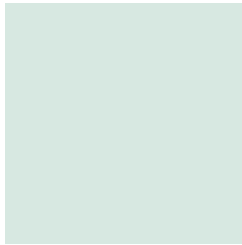
10.0043, 0.5337, 0.2714



0.7573, 0.4955, 0.2503

Previews

White Background



This preview shows how the Yxy color 77.5965, 0.3056, 0.3365 looks on a white background.

Color Contrast Check

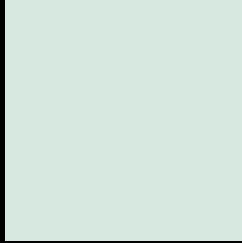
Large Text (above 18pt) WCAG AA × Fail

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 77.5965, 0.3056, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

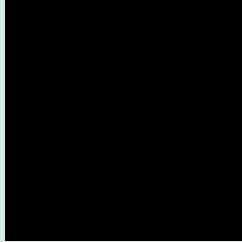
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

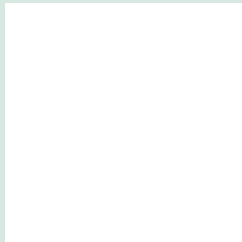
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5965, 0.3056, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 77.5965, 0.3056, 0.3365.

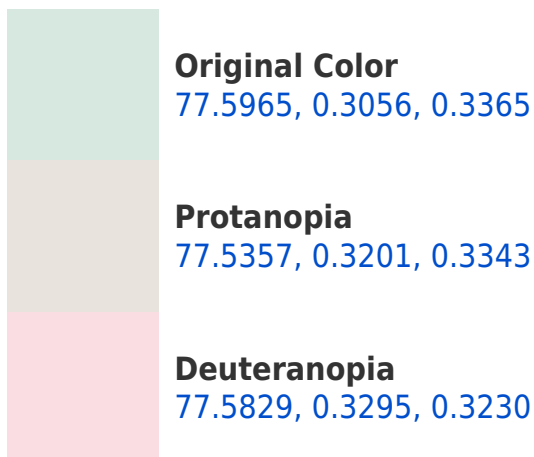


This preview shows how white text looks on a background with the Yxy color 77.5965, 0.3056, 0.3365.

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

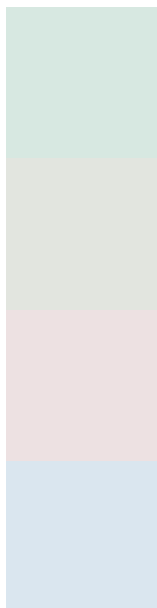




Tritanopia

77.8141, 0.2950, 0.3101

Trichromacy



Original Color

77.5965, 0.3056, 0.3365

Protanomaly

77.5351, 0.3145, 0.3354

Deuteranomaly

77.3459, 0.3205, 0.3280

Tritanomaly

77.7310, 0.2991, 0.3194

Monochromacy



Original Color

77.5965, 0.3056, 0.3365

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.5074, 0.3099, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5965, 0.3056, 0.3365 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(215, 232, 225)` looks like.

```
.text, #text, p{  
    color:rgb(215, 232, 225)  
}
```

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(215, 232, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 232, 225) }
```

Border

The CSS property to change the border of an element to Yxy 77.5965, 0.3056, 0.3365 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(215, 232, 225) }
```

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

```
.border{ border-color:rgb(215, 232, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 232, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 232, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 232, 225);  
box-shadow:4px 4px 4px 4px rgb(215, 232,  
225) }
```


Background

The CSS property to change the background color of an element to `rgb(77.5965, 0.3056, 0.3365)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 232, 225) }
```

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

```
.background{ background-color: rgb(215,  
232, 225) }
```

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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