

Converting Colors

$Yxy(77.1173, 0.3058, 0.3341)$

Have a look what the booklet for
Yxy(77.1173, 0.3058, 0.3341)
contains.

Yxy(77.2417, 0.3057, 0.3344)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.2417, 0.3057, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	D8E7E2
RGB	216, 231, 226
RGB Percent	85%, 91%, 89%
CMY	0.1531, 0.0941, 0.1138
CMYK	0.07, 0.00, 0.02, 0.09
HSL	160°, 24%, 88%
HSV	160°, 7%, 91%
XYZ	70.6124, 77.2417, 83.1318
YIQ	225.9450, -7.3350, -4.7350

Conversions

Conversions Part 2

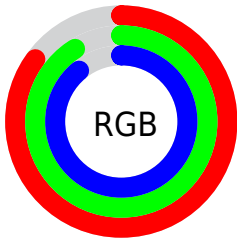
Format	Color
R _Y B	216, 225, 231
Decimal	14215138
CIE Lab	90.43, -5.92, 0.71
CIE LCh	90, 5.958, 173.164
Yxy	77.2417, 0.3057, 0.3344
Android (android.graphics.Color)	4292405218 (0xFFD8E7E2)
YUV	225.9450, 0.0271, -8.7218
Hunter-Lab	87.8873, -10.3881, 5.4392

Details

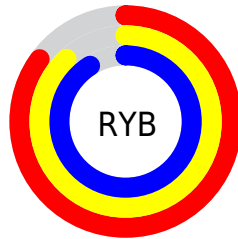
The Yxy color **77.2417, 0.3057, 0.3344** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.3036, 0.3203, 0.3237**, and the grayscale version is **76.0126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.1773, 0.3037, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **73.5571, 0.2952, 0.3434**, and if you desaturate by 10%, it is **81.4466, 0.3165, 0.3263**.

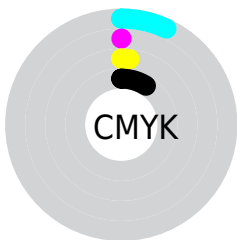
Distribution



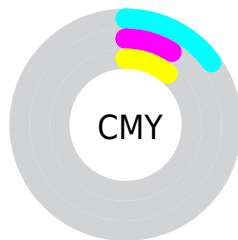
- Red (85%)
- Green (91%)
- Blue (89%)



- Red (85%)
- Yellow (88%)
- Blue (91%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2417, 0.3057, 0.3344 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 77.2417, 0.3057, 0.3344 by changing the saturation by 10% instead.

■ 77.2417, 0.3057,
0.3344

■ 77.2417, 0.3057,
0.3344

485.5877, 0.3089,
0.3319

■ 57.4513, 0.3050,
0.3350

129.4806, 0.3068,
0.3335

■ 41.3677, 0.3041,
0.3357

162.6979, 0.3072,
0.3332

■ 28.6065, 0.3029,
0.3365

201.1595, 0.3076,
0.3329

■ 18.7833, 0.3015,
0.3377

245.2500, 0.3079,
0.3327

■ 11.5138, 0.2995,
0.3392

295.3537, 0.3082,
0.3325

■ 6.4136, 0.2966,
0.3414

351.8549, 0.3085,

■ 3.0981, 0.2921,

0.3323

0.3449

415.1381, 0.3087,
0.3321

■ 1.1832, 0.2843,
0.3510

■ 0.0479, 0.0000,
0.9488

■ 77.2417, 0.3057,
0.3344

■ 77.2417, 0.3057,
0.3344

■ 73.5571, 0.2952,
0.3434

■ 81.4466, 0.3165,
0.3263

■ 70.3621, 0.2853,
0.3534

■ 84.7970, 0.3225,
0.3188

■ 67.6377, 0.2763,
0.3642

■ 85.2687, 0.3175,
0.3114

■ 65.3602, 0.2685,
0.3758

■ 85.6414, 0.3138,
0.3058

■ 63.5032, 0.2621,
0.3880

■ 62.0379, 0.2576,
0.4007

■ 60.9317, 0.2550,
0.4136

■ 60.1463, 0.2544,
0.4265

■ 59.6337, 0.2558,
0.4393

Harmonies

Analogous

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



77.2417, 0.3125, 0.3393



77.2417, 0.3057, 0.3344



77.2417, 0.3008, 0.3281

Triad

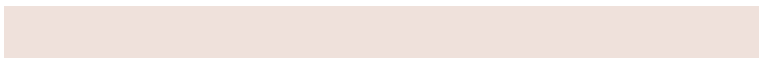
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2417, 0.3057, 0.3344



77.2417, 0.3060, 0.3170



77.2417, 0.3266, 0.3357

Complementary

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



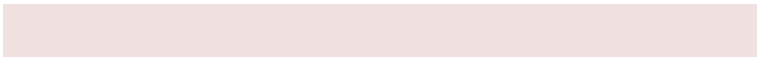
77.2417, 0.3057, 0.3344



71.3036, 0.3203, 0.3237

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.



77.2417, 0.3248, 0.3298



77.2417, 0.3057, 0.3344



77.2417, 0.3128, 0.3191

Square

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



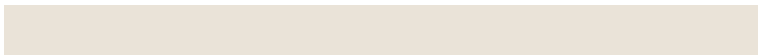
77.2417, 0.3057, 0.3344



77.2417, 0.3009, 0.3181



77.2417, 0.3197, 0.3237



77.2417, 0.3246, 0.3399

Rectangle

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



77.2417, 0.3057, 0.3344



77.2417, 0.2993, 0.3240



77.2417, 0.3197, 0.3237



77.2417, 0.3264, 0.3338

Sweetspot

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



77.2450, 0.3057, 0.3344



98.9364, 0.3105, 0.3306



77.5257, 0.3156, 0.3452



21.1876, 0.3106, 0.3305



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.



77.2450, 0.3057, 0.3344



95.9033, 0.3041, 0.3357



76.2688, 0.3026, 0.3265



16.2503, 0.3026, 0.3370



33.3701, 0.2560, 0.4416



2.4830, 0.2509, 0.4231

Inverse Universe

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



71.3036, 0.3203, 0.3237



86.8232, 0.3222, 0.3224



72.2046, 0.3235, 0.3314



14.4470, 0.3240, 0.3212



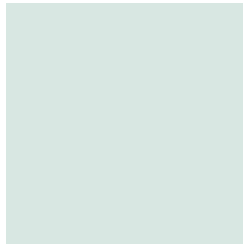
9.8461, 0.5633, 0.2877



0.7444, 0.5222, 0.2650

Previews

White Background



This preview shows how the Yxy color 77.2417, 0.3057, 0.3344 looks on a white background.

Color Contrast Check

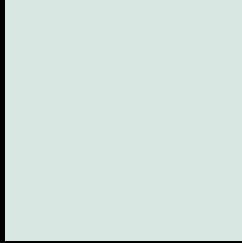
Large Text (above 18pt) WCAG AA × Fail

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 77.2417, 0.3057, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

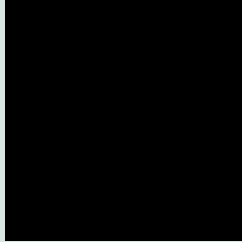
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

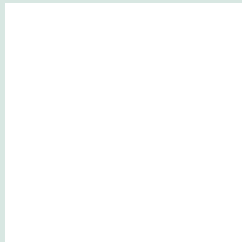
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2417, 0.3057, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 77.2417, 0.3057, 0.3344.

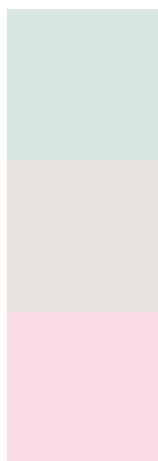


This preview shows how white text looks on a background with the Yxy color 77.2417, 0.3057, 0.3344.

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

77.2417, 0.3057, 0.3344

Protanopia

76.8762, 0.3189, 0.3322

Deuteranopia

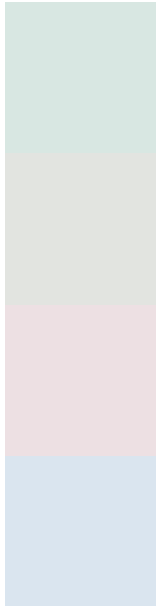
76.9276, 0.3282, 0.3209



Tritanopia

77.2007, 0.2955, 0.3100

Trichromacy



Original Color

77.2417, 0.3057, 0.3344

Protanomaly

77.0374, 0.3139, 0.3333

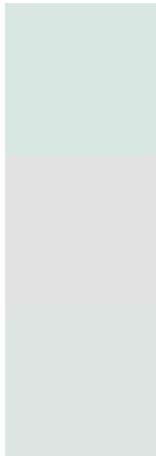
Deuteranomaly

76.8619, 0.3199, 0.3259

Tritanomaly

77.1760, 0.2991, 0.3184

Monochromacy



Original Color

77.2417, 0.3057, 0.3344

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 77.2417, 0.3057, 0.3344 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(216, 231, 226)` looks like.

```
.text, #text, p{  
    color:rgb(216, 231, 226)  
}
```

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(216, 231, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 231, 226) }
```

Border

The CSS property to change the border of an element to Yxy 77.2417, 0.3057, 0.3344 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(216, 231, 226) }
```

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

```
.border{ border-color:rgb(216, 231, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 231, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 231, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 231, 226); box-shadow:4px 4px 4px 4px rgb(216, 231, 226) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 77.2417, 0.3057, 0.3344$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 231, 226) }
```

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

```
.background{ background-color: rgb(216,  
231, 226) }
```

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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