

Converting Colors

$Yxy(77.3488, 0.3128, 0.3364)$

Have a look what the booklet for
Yxy(77.3488, 0.3128, 0.3364)
contains.

Yxy(77.6093, 0.3124, 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(77.6093, 0.3124, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	DFE6DF
RGB	223, 230, 223
RGB Percent	87%, 90%, 87%
CMY	0.1254, 0.0980, 0.1256
CMYK	0.03, 0.00, 0.03, 0.10
HSL	120°, 12%, 89%
HSV	120°, 3%, 90%
XYZ	72.0510, 77.6093, 80.9766
YIQ	227.1090, -1.9250, -3.6610

Conversions

Conversions Part 2

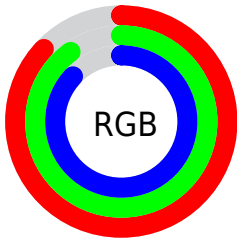
Format	Color
R_{YB}	223, 230, 230
Decimal	14673631
CIE Lab	90.60, -3.59, 2.59
CIE LCh	91, 4.427, 144.138
Yxy	77.6093, 0.3124, 0.3365
Android (android.graphics.Color)	4292863711 (0xFFDFE6DF)
YUV	227.1090, -2.0257, -3.6036
Hunter-Lab	88.0961, -8.1789, 7.1689

Details

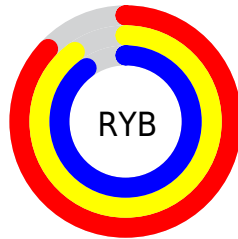
The Yxy color **77.6093, 0.3124, 0.3365** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.2901, 0.3130, 0.3216**, and the grayscale version is **76.9192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8119, 0.3123, 0.3387** is the 20% darker color. If you saturate the color by 10%, you get **73.0696, 0.3113, 0.3634**, and if you desaturate by 10%, it is **82.8130, 0.3134, 0.3131**.

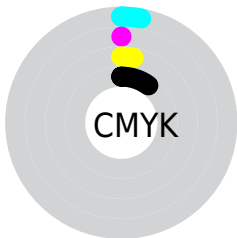
Distribution



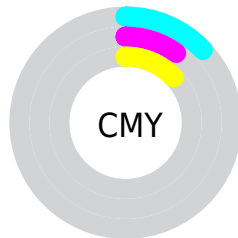
- Red (87%)
- Green (90%)
- Blue (87%)



- Red (87%)
- Yellow (90%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (13%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6093, 0.3124, 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 77.6093, 0.3124, 0.3365 by changing the saturation by 10% instead.

■ 77.6093, 0.3124,
0.3365

■ 77.6093, 0.3124,
0.3365

486.8389, 0.3126,
0.3331

■ 57.7531, 0.3124,
0.3373

129.9992, 0.3125,
0.3353

■ 41.6102, 0.3123,
0.3382

163.3017, 0.3125,
0.3348

■ 28.7962, 0.3123,
0.3395

201.8551, 0.3125,
0.3344

■ 18.9267, 0.3122,
0.3411

246.0437, 0.3125,
0.3341

■ 11.6173, 0.3121,
0.3432

296.2520, 0.3125,
0.3338

■ 6.4837, 0.3119,
0.3464

352.8644, 0.3125,

■ 3.1413, 0.3116,

0.3335

0.3512

416.2653, 0.3125,
0.3333

■ 1.2060, 0.3110,
0.3599

■ 0.0666, 0.0000,
1.0000

■ 77.6093, 0.3124,
0.3365

■ 77.6093, 0.3124,
0.3365

■ 73.0696, 0.3113,
0.3634

■ 82.8130, 0.3134,
0.3131

■ 69.1579, 0.3099,
0.3937

■ 85.0737, 0.3138,
0.3048

■ 65.8495, 0.3085,
0.4271

■ 63.1143, 0.3069,
0.4627

■ 60.9199, 0.3052,
0.4986

■ 59.2304, 0.3036,
0.5324

■ 58.0056, 0.3022,
0.5613

■ 57.1992, 0.3011,
0.5828

■ 56.7556, 0.3004,
0.5954

Harmonies

Analogous

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



77.6093, 0.3176, 0.3381



77.6093, 0.3124, 0.3365



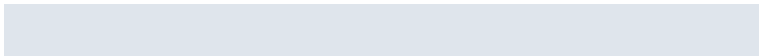
77.6093, 0.3074, 0.3329

Triad

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



77.6093, 0.3124, 0.3365



77.6093, 0.3041, 0.3209



77.6093, 0.3217, 0.3297

Complementary

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



77.6093, 0.3124, 0.3365



75.2901, 0.3130, 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.



77.6093, 0.3181, 0.3252



77.6093, 0.3124, 0.3365



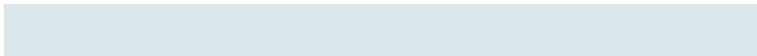
77.6093, 0.3079, 0.3201

Square

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



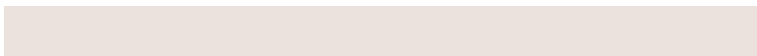
77.6093, 0.3124, 0.3365



77.6093, 0.3026, 0.3238



77.6093, 0.3130, 0.3217



77.6093, 0.3230, 0.3341

Rectangle

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



77.6093, 0.3124, 0.3365



77.6093, 0.3048, 0.3298



77.6093, 0.3130, 0.3217



77.6093, 0.3208, 0.3282

Sweetspot

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



77.6126, 0.3124, 0.3365



99.3600, 0.3126, 0.3314



78.6780, 0.3172, 0.3363



21.2739, 0.3126, 0.3313



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.



77.6126, 0.3124, 0.3365



97.4906, 0.3123, 0.3390



77.7893, 0.3102, 0.3329



16.5636, 0.3122, 0.3408



32.0487, 0.3002, 0.5999



2.3701, 0.3006, 0.5995

Inverse Universe

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



75.2901, 0.3130, 0.3216



93.6494, 0.3131, 0.3192



75.1099, 0.3153, 0.3252



15.7970, 0.3132, 0.3175



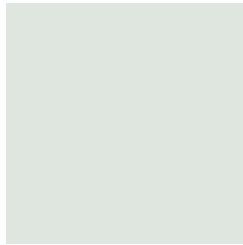
12.6013, 0.3191, 0.1531



0.9330, 0.3194, 0.1533

Previews

White Background



This preview shows how the Yxy color 77.6093, 0.3124, 0.3365 looks on a white background.

Color Contrast Check

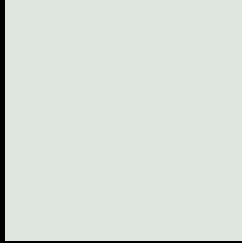
Large Text (above 18pt) WCAG AA × Fail

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 77.6093, 0.3124, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

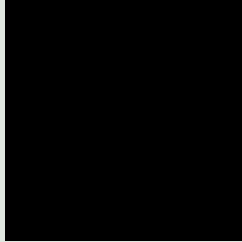
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

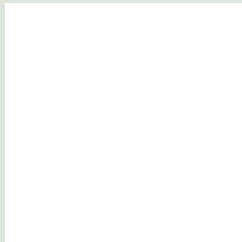
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6093, 0.3124, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 77.6093, 0.3124, 0.3365.

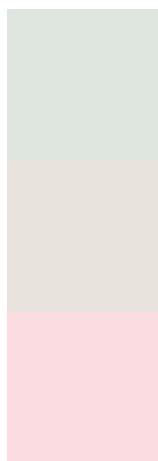


This preview shows how white text looks on a background with the Yxy color 77.6093, 0.3124, 0.3365.

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



Original Color

77.6093, 0.3124, 0.3365

Protanopia

77.4823, 0.3208, 0.3353

Deuteranopia

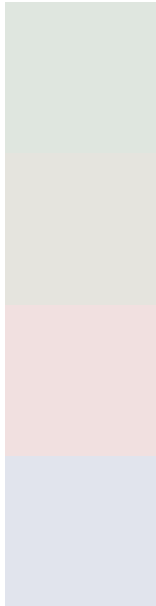
77.6584, 0.3316, 0.3250



Tritanopia

77.6995, 0.3007, 0.3103

Trichromacy



Original Color

77.6093, 0.3124, 0.3365

Protanomaly

77.4187, 0.3173, 0.3354

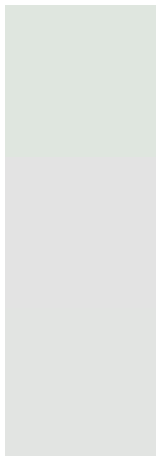
Deuteranomaly

77.3939, 0.3248, 0.3290

Tritanomaly

77.6088, 0.3050, 0.3195

Monochromacy



Original Color

77.6093, 0.3124, 0.3365

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.1465, 0.3126, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6093, 0.3124, 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(223, 230, 223)` looks like.

```
.text, #text, p{  
    color:rgb(223, 230, 223)  
}
```

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(223, 230, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 230, 223) }
```

Border

The CSS property to change the border of an element to Yxy 77.6093, 0.3124, 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(223, 230, 223) }
```

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

```
.border{ border-color:rgb(223, 230, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 230, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 230, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 230, 223);  
box-shadow:4px 4px 4px 4px rgb(223, 230,  
223) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.6093, 0.3124, 0.3365$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 230, 223) }
```

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

```
.background{ background-color: rgb(223,  
230, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor