

Converting Colors

$Y_{xy}(76.7890, 0.2910, 0.3203)$

Have a look what the booklet for
Yxy(76.7890, 0.2910, 0.3203)
contains.

Yxy(77.0670, 0.2914, 0.3214)	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(77.0670, 0.2914, 0.3214)

Conversions

Conversions Part 1

Format	Color
Hex	CEE8EF
RGB	206, 232, 239
RGB Percent	81%, 91%, 94%
CMY	0.1924, 0.0901, 0.0628
CMYK	0.14, 0.03, 0.00, 0.06
HSL	193°, 51%, 87%
HSV	193°, 14%, 94%
XYZ	69.8734, 77.0670, 92.8449
YIQ	225.0240, -17.7430, -3.3350

Conversions

Conversions Part 2

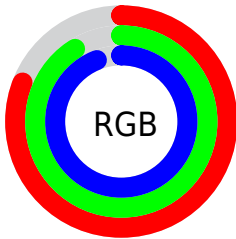
Format	Color
R_{YB}	206, 221, 239
Decimal	13560047
CIE _{Lab}	90.35, -7.15, -6.29
CIE _{LCh}	90, 9.525, 221.311
Yxy	77.0670, 0.2914, 0.3214
Android (android.graphics.Color)	4291750127 (0xFFCEE8EF)
YUV	225.0240, 6.8902, -16.6840
Hunter-Lab	87.7878, -11.5542, -1.2540

Details

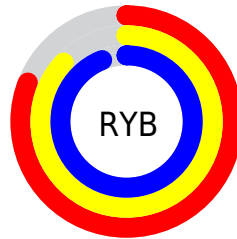
The Yxy color **77.0670, 0.2914, 0.3214** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.3360, 0.3372, 0.3365**, and the grayscale version is **75.2655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.0489, 0.2863, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **71.1130, 0.2764, 0.3153**, and if you desaturate by 10%, it is **83.6286, 0.3068, 0.3270**.

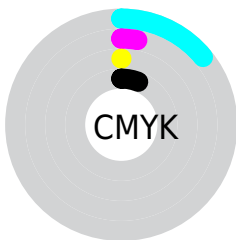
Distribution



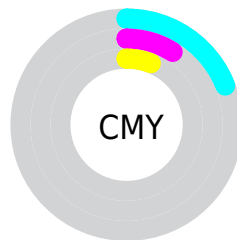
- Red (81%)
- Green (91%)
- Blue (94%)



- Red (81%)
- Yellow (87%)
- Blue (94%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (19%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.0670, 0.2914, 0.3214 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 77.0670, 0.2914, 0.3214 by changing the saturation by 10% instead.

■ 77.0670, 0.2914,
0.3214

■ 77.0670, 0.2914,
0.3214

484.9924, 0.3011,
0.3250

■ 57.3079, 0.2892,
0.3206

129.2341, 0.2947,
0.3226

■ 41.2525, 0.2865,
0.3195

162.4108, 0.2960,
0.3231

■ 28.5164, 0.2832,
0.3182

200.8288, 0.2972,
0.3235

■ 18.7153, 0.2788,
0.3165

244.8725, 0.2982,
0.3239

■ 11.4647, 0.2730,
0.3142

294.9264, 0.2990,
0.3242

■ 6.3803, 0.2647,
0.3107

351.3747, 0.2998,

■ 3.0777, 0.2521,

0.3245

0.3052

414.6019, 0.3005,
0.3247

■ 1.1724, 0.2308,
0.2951

■ 0.0390, 0.0000,
0.0749

■ 77.0670, 0.2914,
0.3214

■ 77.0670, 0.2914,
0.3214

■ 71.1130, 0.2764,
0.3153

■ 83.6286, 0.3068,
0.3270

■ 65.7330, 0.2621,
0.3087

■ 90.8107, 0.3223,
0.3321

■ 60.9041, 0.2488,
0.3016

■ 94.0915, 0.3227,
0.3369

■ 56.5984, 0.2369,
0.2943

■ 97.2145, 0.3223,
0.3417

■ 52.7848, 0.2266,
0.2866

■ 99.0114, 0.3220,
0.3444

■ 49.4288, 0.2182,
0.2788

■ 46.4901, 0.2117,
0.2710

■ 43.9202, 0.2072,
0.2633

■ 42.4742, 0.2052,
0.2586

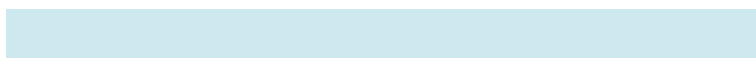
Harmonies

Analogous

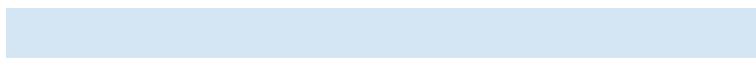
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0670, 0.2963, 0.3316



77.0670, 0.2914, 0.3214



77.0670, 0.2921, 0.3136

Triad

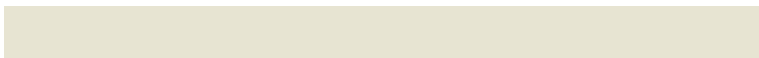
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0670, 0.2914, 0.3214



77.0670, 0.3197, 0.3173



77.0670, 0.3272, 0.3485

Complementary

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



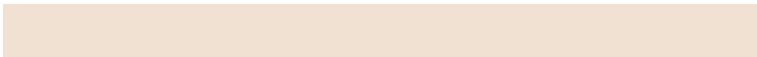
77.0670, 0.2914, 0.3214



70.3360, 0.3372, 0.3365

Split Complementary

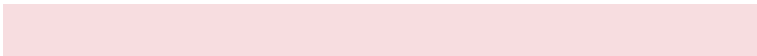
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0670, 0.3337, 0.3442



77.0670, 0.2914, 0.3214



77.0670, 0.3294, 0.3262

Square

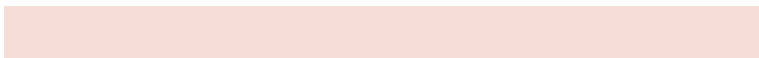
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0670, 0.2914, 0.3214



77.0670, 0.3083, 0.3114



77.0670, 0.3345, 0.3360



77.0670, 0.3168, 0.3474

Rectangle

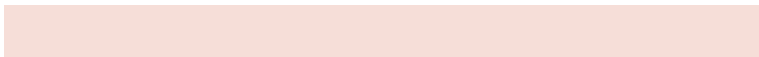
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0670, 0.2914, 0.3214



77.0670, 0.2957, 0.3106



77.0670, 0.3345, 0.3360



77.0670, 0.3299, 0.3476

Sweetspot

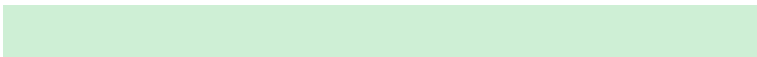
The Sweet Spot groups the original color and five complimentary colors.



77.0702, 0.2914, 0.3214



96.7532, 0.3065, 0.3269



79.6192, 0.3070, 0.3582



20.5813, 0.3053, 0.3265



0.0000, 0.0000, 0.0000



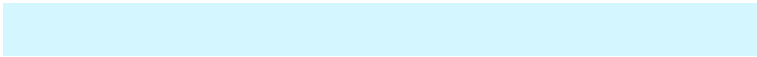
21.4041, 0.3127, 0.3290

Same Dimension

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



77.0702, 0.2914, 0.3214



86.9964, 0.2865, 0.3195



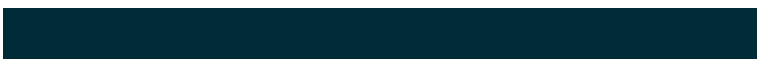
68.3759, 0.2908, 0.3035



17.3306, 0.2981, 0.3239



23.6715, 0.2055, 0.2598



2.1090, 0.2083, 0.2700

Inverse Universe

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



68.2844, 0.3192, 0.3018



74.8179, 0.3209, 0.2953



78.8797, 0.3349, 0.3533



15.9710, 0.3170, 0.3106



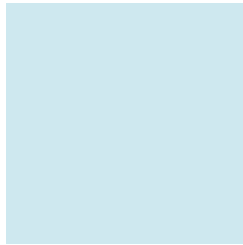
12.1830, 0.3826, 0.1881



1.0276, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 77.0670, 0.2914, 0.3214 looks on a white background.

Color Contrast Check

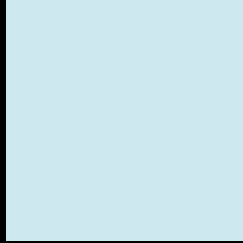
Large Text (above 18pt) WCAG AA × Fail

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 77.0670, 0.2914, 0.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

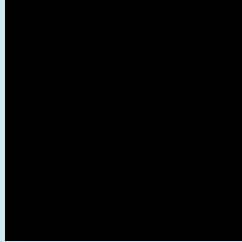
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

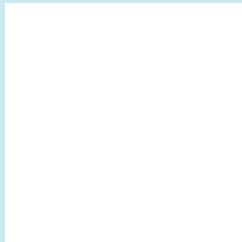
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0670, 0.2914, 0.3214

Background



This preview shows how black text looks on a background with the Yxy color 77.0670, 0.2914, 0.3214.

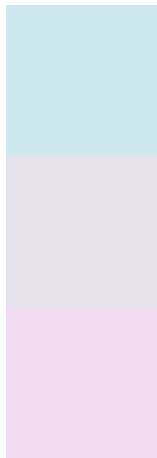


This preview shows how white text looks on a background with the Yxy color 77.0670, 0.2914, 0.3214.

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

77.0670, 0.2914, 0.3214

Protanopia

77.0489, 0.3090, 0.3196

Deuteranopia

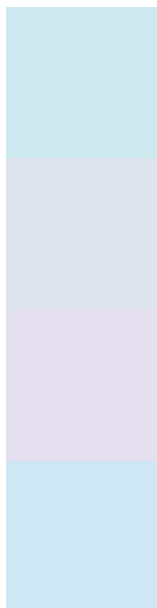
76.4145, 0.3144, 0.3077



Tritanopia

76.8431, 0.2868, 0.3087

Trichromacy



Original Color

77.0670, 0.2914, 0.3214

Protanomaly

76.9151, 0.3029, 0.3205

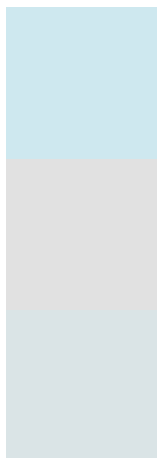
Deuteranomaly

76.2606, 0.3059, 0.3123

Tritanomaly

77.0098, 0.2886, 0.3139

Monochromacy



Original Color

77.0670, 0.2914, 0.3214

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.1054, 0.3046, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0670, 0.2914, 0.3214 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(206, 232, 239)` looks like.

```
.text, #text, p{  
    color:rgb(206, 232, 239)  
}
```

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(206, 232, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 232, 239) }
```

Border

The CSS property to change the border of an element to Yxy 77.0670, 0.2914, 0.3214 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(206, 232, 239) }
```

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

```
.border{ border-color:rgb(206, 232, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 232, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 232, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 232, 239); box-shadow:4px 4px 4px 4px rgb(206, 232, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0670, 0.2914, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 232, 239) }
```

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

```
.background{ background-color: rgb(206,  
232, 239) }
```

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