

Converting Colors

$Y_{xy}(77.4079, 0.2913, 0.3174)$

Have a look what the booklet for
Yxy(77.4079, 0.2913, 0.3174)
contains.

Yxy(77.6793, 0.2916, 0.3182)	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(77.6793, 0.2916, 0.3182)

Conversions

Conversions Part 1

Format	Color
Hex	D1E8F2
RGB	209, 232, 242
RGB Percent	82%, 91%, 95%
CMY	0.1803, 0.0902, 0.0509
CMYK	0.14, 0.04, 0.00, 0.05
HSL	198°, 56%, 88%
HSV	198°, 14%, 95%
XYZ	71.1857, 77.6793, 95.2560
YIQ	226.2630, -16.9180, -1.7660

Conversions

Conversions Part 2

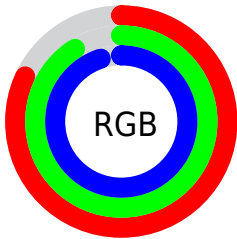
Format	Color
R _{YB}	209, 223, 242
Decimal	13756658
CIE Lab	90.63, -5.56, -7.43
CIE LCh	91, 9.280, 233.207
Yxy	77.6793, 0.2916, 0.3182
Android (android.graphics.Color)	4291946738 (0xFFD1E8F2)
YUV	226.2630, 7.7583, -15.1397
Hunter-Lab	88.1359, -10.0667, -2.3847

Details

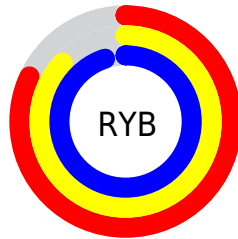
The Yxy color **77.6793, 0.2916, 0.3182** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1734, 0.3364, 0.3396**, and the grayscale version is **76.2112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.4659, 0.2865, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **70.3636, 0.2762, 0.3093**, and if you desaturate by 10%, it is **85.7108, 0.3071, 0.3263**.

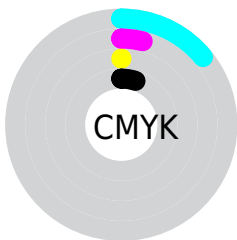
Distribution



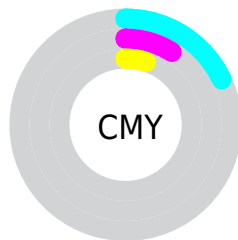
- Red (82%)
- Green (91%)
- Blue (95%)



- Red (82%)
- Yellow (87%)
- Blue (95%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (18%)
- Magenta (9%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6793, 0.2916, 0.3182 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 77.6793, 0.2916, 0.3182 by changing the saturation by 10% instead.

■ 77.6793, 0.2916,
0.3182

■ 77.6793, 0.2916,
0.3182

487.0770, 0.3012,
0.3232

■ 57.8106, 0.2894,
0.3171

130.0979, 0.2949,
0.3199

■ 41.6564, 0.2868,
0.3156

163.4166, 0.2962,
0.3206

■ 28.8323, 0.2835,
0.3138

201.9874, 0.2973,
0.3212

■ 18.9540, 0.2792,
0.3115

246.1948, 0.2983,
0.3217

■ 11.6371, 0.2734,
0.3083

296.4230, 0.2991,
0.3222

■ 6.4970, 0.2653,
0.3036

353.0565, 0.2999,

■ 3.1496, 0.2530,

0.3225

0.2964

416.4797, 0.3006,
0.3229

■ 1.2103, 0.2322,
0.2836

■ 0.0701, 0.0000,
0.1053

■ 77.6793, 0.2916,
0.3182

■ 77.6793, 0.2916,
0.3182

■ 70.3636, 0.2762,
0.3093

■ 85.7108, 0.3071,
0.3263

■ 63.7278, 0.2612,
0.2997

■ 94.0084, 0.3209,
0.3336

■ 57.7471, 0.2469,
0.2893

■ 98.5860, 0.3203,
0.3406

■ 52.3911, 0.2338,
0.2784

■ 99.1917, 0.3203,
0.3415

■ 47.6264, 0.2222,
0.2670

■ 43.4158, 0.2123,
0.2554

■ 39.7165, 0.2045,
0.2437

■ 36.4768, 0.1987,
0.2322

■ 34.6043, 0.1958,
0.2249

Harmonies

Analogous

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



77.6793, 0.2943, 0.3275



77.6793, 0.2916, 0.3182



77.6793, 0.2945, 0.3121

Triad

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



77.6793, 0.2916, 0.3182



77.6793, 0.3236, 0.3208



77.6793, 0.3231, 0.3482

Complementary

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



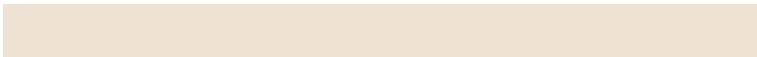
77.6793, 0.2916, 0.3182



74.1734, 0.3364, 0.3396

Split Complementary

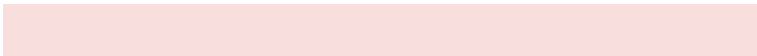
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6793, 0.3312, 0.3460



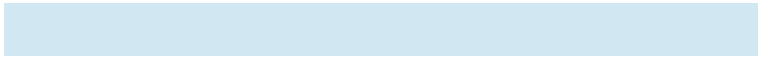
77.6793, 0.2916, 0.3182



77.6793, 0.3315, 0.3301

Square

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



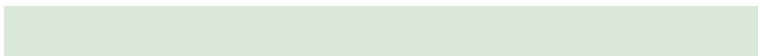
77.6793, 0.2916, 0.3182



77.6793, 0.3128, 0.3137



77.6793, 0.3343, 0.3393



77.6793, 0.3123, 0.3450

Rectangle

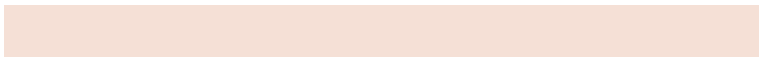
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



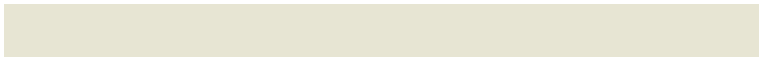
77.6793, 0.2916, 0.3182



77.6793, 0.2992, 0.3105



77.6793, 0.3343, 0.3393



77.6793, 0.3262, 0.3480

Sweetspot

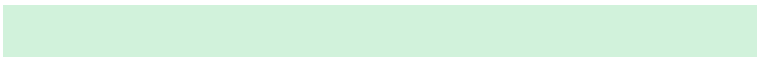
The Sweet Spot groups the original color and five complimentary colors.



77.6825, 0.2916, 0.3182



96.1557, 0.3065, 0.3260



82.1831, 0.3052, 0.3541



20.4297, 0.3054, 0.3254



0.0000, 0.0000, 0.0000



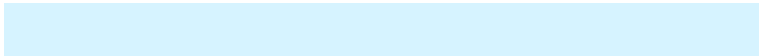
21.4041, 0.3127, 0.3290

Same Dimension

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



77.6825, 0.2916, 0.3182



85.4129, 0.2879, 0.3161



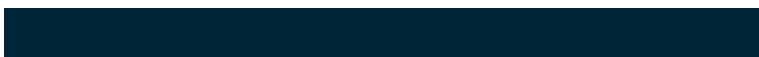
68.8927, 0.2911, 0.3002



17.0713, 0.2981, 0.3217



18.8392, 0.1964, 0.2268



1.7415, 0.2005, 0.2419

Inverse Universe

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



70.3219, 0.3213, 0.3053



75.9018, 0.3230, 0.3010



83.1408, 0.3341, 0.3562



15.9449, 0.3184, 0.3127



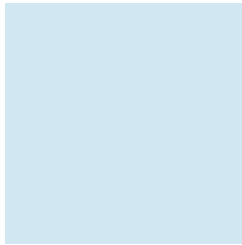
11.6952, 0.4160, 0.2065



0.9905, 0.4004, 0.1979

Previews

White Background



This preview shows how the Yxy color 77.6793, 0.2916, 0.3182 looks on a white background.

Color Contrast Check

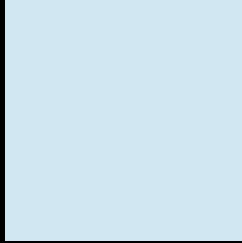
Large Text (above 18pt) WCAG AA × Fail

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 77.6793, 0.2916, 0.3182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

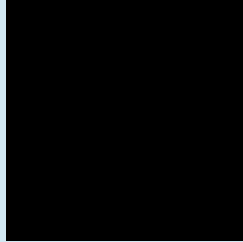
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

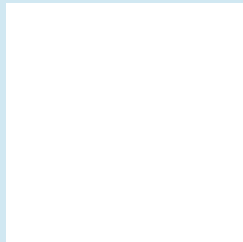
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6793, 0.2916, 0.3182

Background



This preview shows how black text looks on a background with the Yxy color 77.6793, 0.2916, 0.3182.

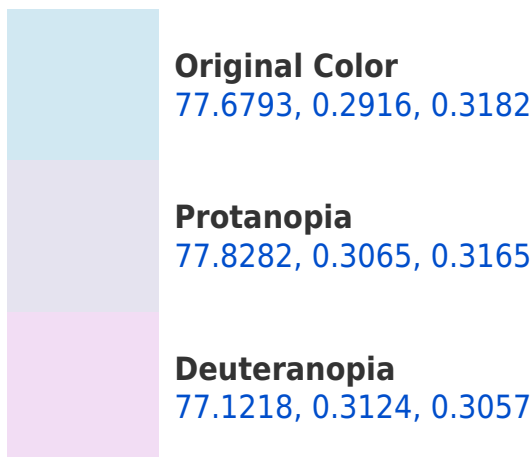


This preview shows how white text looks on a background with the Yxy color 77.6793, 0.2916, 0.3182.

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

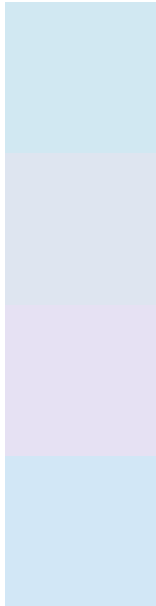




Tritanopia

77.6930, 0.2881, 0.3098

Trichromacy



Original Color

77.6793, 0.2916, 0.3182

Protanomaly

77.8595, 0.3011, 0.3174

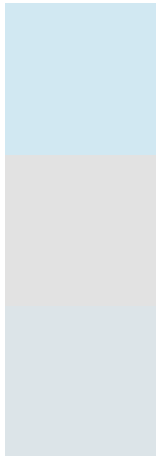
Deuteranomaly

77.1445, 0.3047, 0.3103

Tritanomaly

77.5073, 0.2899, 0.3130

Monochromacy



Original Color

77.6793, 0.2916, 0.3182

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.5286, 0.3047, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6793, 0.2916, 0.3182 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(209, 232, 242)` looks like.

```
.text, #text, p{  
    color:rgb(209, 232, 242)  
}
```

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(209, 232, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 232, 242) }
```

Border

The CSS property to change the border of an element to Yxy 77.6793, 0.2916, 0.3182 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(209, 232, 242) }
```

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

```
.border{ border-color:rgb(209, 232, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 232, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 232, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 232, 242);  
box-shadow:4px 4px 4px 4px rgb(209, 232,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6793, 0.2916, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 232, 242) }
```

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

```
.background{ background-color: rgb(209,  
232, 242) }
```

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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