

Converting Colors

$Y_{xy}(75.5932, 0.2996, 0.3193)$

Have a look what the booklet for
Yxy(75.5932, 0.2996, 0.3193)
contains.

Yxy(75.5932, 0.2996, 0.3193)	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(75.5932, 0.2996, 0.3193)

Conversions

Conversions Part 1

Format	Color
Hex	D8E3EC
RGB	216, 227, 236
RGB Percent	85%, 89%, 93%
CMY	0.1530, 0.1098, 0.0744
CMYK	0.08, 0.04, 0.00, 0.07
HSL	207°, 35%, 89%
HSV	207°, 8%, 93%
XYZ	70.9293, 75.5932, 90.2241
YIQ	224.7370, -9.4450, 0.4670

Conversions

Conversions Part 2

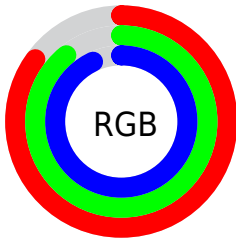
Format	Color
R _Y B	216, 223, 236
Decimal	14214124
CIE Lab	89.67, -1.95, -5.66
CIE LCh	90, 5.990, 250.981
Yxy	75.5932, 0.2996, 0.3193
Android (android.graphics.Color)	4292404204 (0xFFD8E3EC)
YUV	224.7370, 5.5527, -7.6623
Hunter-Lab	86.9444, -6.5321, -0.6655

Details

The Yxy color **75.5932, 0.2996, 0.3193** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.6513, 0.3265, 0.3385**, and the grayscale version is **75.0630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.3774, 0.2966, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **66.6208, 0.2837, 0.3067**, and if you desaturate by 10%, it is **85.4472, 0.3150, 0.3306**.

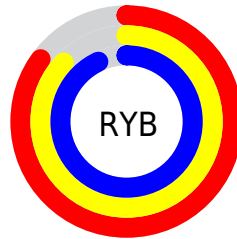
Distribution



Red (85%)

Green (89%)

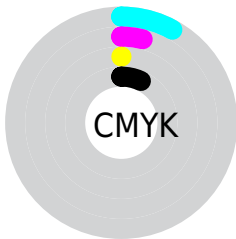
Blue (93%)



Red (85%)

Yellow (87%)

Blue (93%)

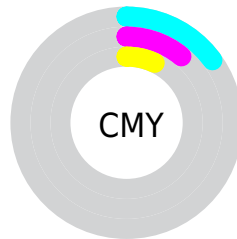


Cyan (8%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (15%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5932, 0.2996, 0.3193 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 75.5932, 0.2996, 0.3193 by changing the saturation by 10% instead.

■ 75.5932, 0.2996,
0.3193

■ 75.5932, 0.2996,
0.3193

479.9540, 0.3056,
0.3238

■ 56.0990, 0.2982,
0.3183

127.1517, 0.3017,
0.3209

■ 40.2823, 0.2966,
0.3170

159.9848, 0.3025,
0.3215

■ 27.7587, 0.2944,
0.3154

198.0330, 0.3032,
0.3220

■ 18.1439, 0.2917,
0.3133

241.6806, 0.3038,
0.3224

■ 11.0533, 0.2880,
0.3105

291.3122, 0.3043,
0.3228

■ 6.1027, 0.2827,
0.3064

347.3120, 0.3048,

■ 2.9076, 0.2745,

0.3232

0.3000

410.0645, 0.3052,
0.3235

■ 1.0837, 0.2601,
0.2887

■ 0.0000, 0.0000,
0.0000

■ 75.5932, 0.2996,
0.3193

■ 75.5932, 0.2996,
0.3193

■ 66.6208, 0.2837,
0.3067

■ 85.4472, 0.3150,
0.3306

■ 58.4920, 0.2676,
0.2927

■ 94.6113, 0.3244,
0.3409

■ 51.1800, 0.2516,
0.2776

■ 98.8373, 0.3238,
0.3473

■ 44.6525, 0.2362,
0.2613

■ 38.8749, 0.2217,
0.2442

■ 33.8091, 0.2087,
0.2266

■ 29.4123, 0.1976,
0.2089

■ 25.6354, 0.1887,
0.1915

■ 22.4103, 0.1821,
0.1748

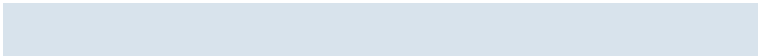
Harmonies

Analogous

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



75.5932, 0.2992, 0.3243



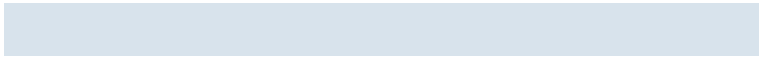
75.5932, 0.2996, 0.3193



75.5932, 0.3035, 0.3169

Triad

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



75.5932, 0.2996, 0.3193



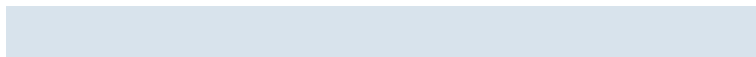
75.5932, 0.3232, 0.3272



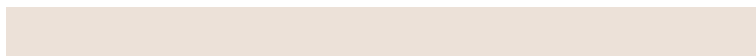
75.5932, 0.3154, 0.3406

Complementary

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



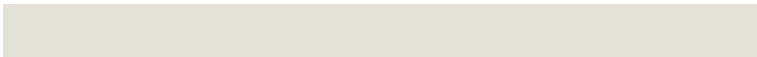
75.5932, 0.2996, 0.3193



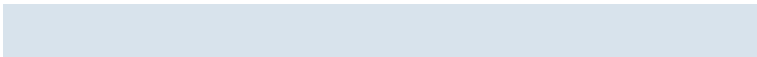
76.6513, 0.3265, 0.3385

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.



75.5932, 0.3219, 0.3413



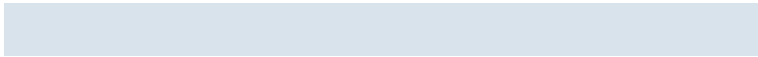
75.5932, 0.2996, 0.3193



75.5932, 0.3265, 0.3334

Square

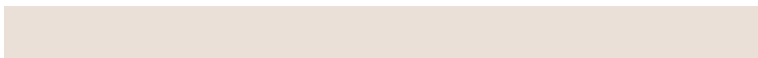
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



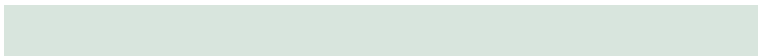
75.5932, 0.2996, 0.3193



75.5932, 0.3171, 0.3215



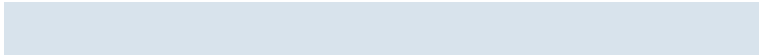
75.5932, 0.3260, 0.3386



75.5932, 0.3083, 0.3367

Rectangle

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



75.5932, 0.2996, 0.3193



75.5932, 0.3076, 0.3171



75.5932, 0.3260, 0.3386



75.5932, 0.3178, 0.3412

Sweetspot

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



75.5964, 0.2996, 0.3193



96.3998, 0.3081, 0.3257



80.0379, 0.3062, 0.3408



20.4311, 0.3069, 0.3248



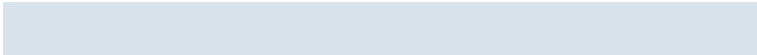
0.0000, 0.0000, 0.0000



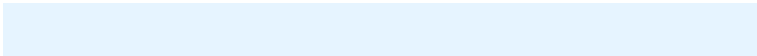
21.4041, 0.3127, 0.3290

Same Dimension

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



75.5964, 0.2996, 0.3193



88.3723, 0.2972, 0.3174



70.2801, 0.2996, 0.3084



15.9217, 0.2981, 0.3181



12.3629, 0.1819, 0.1749



1.1625, 0.1884, 0.1981

Inverse Universe

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



72.4925, 0.3198, 0.3175



84.0782, 0.3212, 0.3153



82.2220, 0.3254, 0.3488



15.1926, 0.3207, 0.3161



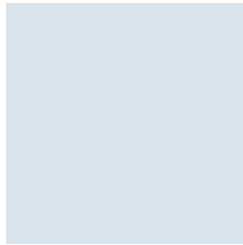
10.7408, 0.4746, 0.2388



0.8628, 0.4475, 0.2239

Previews

White Background



This preview shows how the Yxy color 75.5932, 0.2996, 0.3193 looks on a white background.

Color Contrast Check

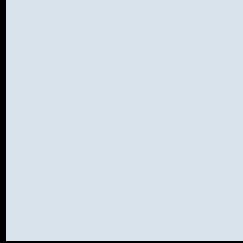
Large Text (above 18pt) WCAG AA × Fail

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 75.5932, 0.2996, 0.3193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

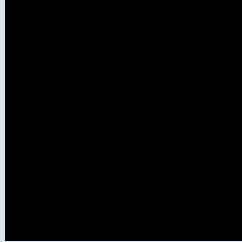
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

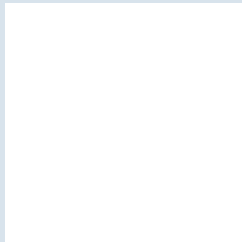
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.5932, 0.2996, 0.3193

Background



This preview shows how black text looks on a background with the Yxy color 75.5932, 0.2996, 0.3193.

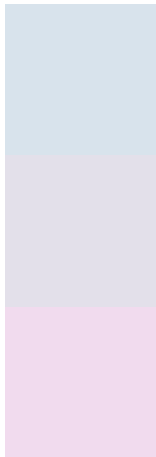


This preview shows how white text looks on a background with the Yxy color 75.5932, 0.2996, 0.3193.

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

75.5932, 0.2996, 0.3193

Protanopia

75.5827, 0.3084, 0.3185

Deuteranopia

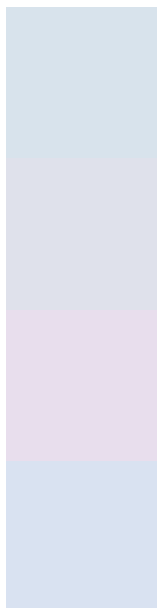
75.5369, 0.3158, 0.3096



Tritanopia

75.6761, 0.2954, 0.3099

Trichromacy



Original Color

75.5932, 0.2996, 0.3193

Protanomaly

75.5366, 0.3050, 0.3184

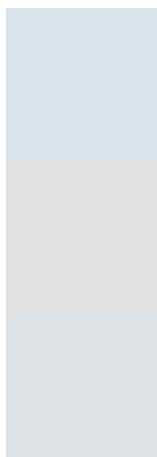
Deuteranomaly

75.5128, 0.3100, 0.3134

Tritanomaly

75.4953, 0.2972, 0.3130

Monochromacy



Original Color

75.5932, 0.2996, 0.3193

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.5795, 0.3080, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5932, 0.2996, 0.3193 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, 227, 236)` looks like.

```
.text, #text, p{  
    color:rgb(216, 227, 236)  
}
```

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, 227, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 227, 236) }
```

Border

The CSS property to change the border of an element to Yxy 75.5932, 0.2996, 0.3193 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, 227, 236) }
```

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

```
.border{ border-color:rgb(216, 227, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 227, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 227, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 227, 236);  
box-shadow:4px 4px 4px 4px rgb(216, 227,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5932, 0.2996, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 227, 236) }
```

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

```
.background{ background-color: rgb(216,  
227, 236) }
```

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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