

Converting Colors

$Yxy(75.6241, 0.2939, 0.3080)$

Have a look what the booklet for
Yxy(75.6241, 0.2939, 0.3080)
contains.

Yxy(75.6455, 0.2936, 0.3078)	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(75.6455, 0.2936, 0.3078)

Conversions

Conversions Part 1

Format	Color
Hex	D8E2F6
RGB	216, 226, 246
RGB Percent	85%, 89%, 96%
CMY	0.1528, 0.1137, 0.0354
CMYK	0.12, 0.08, 0.00, 0.04
HSL	220°, 62%, 91%
HSV	220°, 12%, 96%
XYZ	72.1557, 75.6455, 97.9607
YIQ	225.2900, -12.3800, 4.1000

Conversions

Conversions Part 2

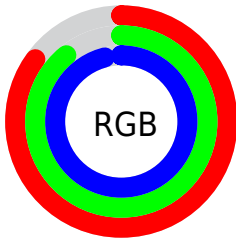
Format	Color
R _Y B	216, 224, 246
Decimal	14213878
CIE Lab	89.69, 0.54, -10.84
CIE LCh	90, 10.857, 272.861
Yxy	75.6455, 0.2936, 0.3078
Android (android.graphics.Color)	4292403958 (0xFFD8E2F6)
YUV	225.2900, 10.2100, -8.1473
Hunter-Lab	86.9744, -4.1181, -5.8972

Details

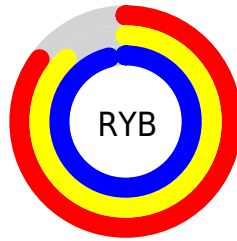
The Yxy color `75.6455, 0.2936, 0.3078` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `84.5499, 0.3322, 0.3493`, and the grayscale version is `75.4519, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `40.4206, 0.2889, 0.3029` is the 20% darker color. If you saturate the color by 10%, you get `63.6717, 0.2767, 0.2880`, and if you desaturate by 10%, it is `89.0414, 0.3094, 0.3255`.

Distribution



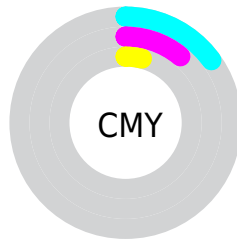
- Red (85%)
- Green (89%)
- Blue (96%)



- Red (85%)
- Yellow (88%)
- Blue (96%)



- Cyan (12%)
- Magenta (8%)
- Yellow (0%)
- Black (4%)



- Cyan (15%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6455, 0.2936, 0.3078 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 75.6455, 0.2936, 0.3078 by changing the saturation by 10% instead.

■ 75.6455, 0.2936,
0.3078

■ 75.6455, 0.2936,
0.3078

480.1333, 0.3024,
0.3175

■ 56.1419, 0.2916,
0.3056

127.2257, 0.2966,
0.3111

■ 40.3167, 0.2892,
0.3029

160.0710, 0.2978,
0.3125

■ 27.7855, 0.2861,
0.2995

198.1324, 0.2988,
0.3136

■ 18.1641, 0.2821,
0.2951

241.7941, 0.2997,
0.3146

■ 11.0678, 0.2767,
0.2892

291.4407, 0.3005,
0.3154

■ 6.1125, 0.2691,
0.2808

347.4565, 0.3012,

■ 2.9136, 0.2574,

0.3162

0.2679

410.2259, 0.3018,
0.3169

■ 1.0868, 0.2373,
0.2460

■ 0.0000, 0.0000,
0.0000

■ 75.6455, 0.2936,
0.3078

■ 75.6455, 0.2936,
0.3078

■ 63.6717, 0.2767,
0.2880

■ 89.0414, 0.3094,
0.3255

■ 53.0619, 0.2590,
0.2661

■ 99.4319, 0.3179,
0.3376

■ 43.7675, 0.2409,
0.2424

■ 35.7333, 0.2229,
0.2172

■ 28.8999, 0.2059,
0.1912

■ 23.2023, 0.1905,
0.1656

■ 18.5682, 0.1777,
0.1413

■ 14.9145, 0.1680,
0.1195

■ 12.6542, 0.1624,
0.1047

Harmonies

Analogous

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



75.6455, 0.2882, 0.3134



75.6455, 0.2936, 0.3078



75.6455, 0.3041, 0.3078

Triad

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



75.6455, 0.2936, 0.3078



75.6455, 0.3368, 0.3339



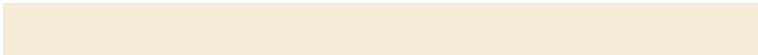
75.6455, 0.3080, 0.3456

Complementary

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



75.6455, 0.2936, 0.3078



84.5499, 0.3322, 0.3493

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.



75.6455, 0.3210, 0.3512



75.6455, 0.2936, 0.3078



75.6455, 0.3378, 0.3441

Square

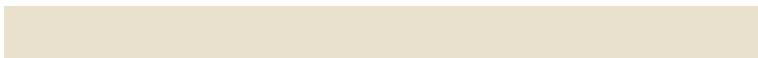
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6455, 0.2936, 0.3078



75.6455, 0.3291, 0.3227



75.6455, 0.3320, 0.3505



75.6455, 0.2964, 0.3353

Rectangle

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



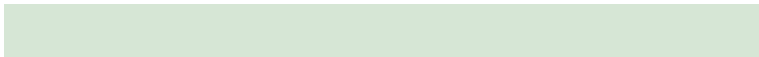
75.6455, 0.2936, 0.3078



75.6455, 0.3127, 0.3109



75.6455, 0.3320, 0.3505



75.6455, 0.3123, 0.3481

Sweetspot

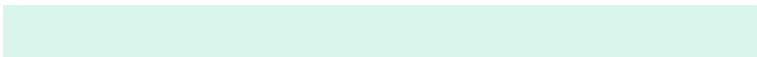
The Sweet Spot groups the original color and five complimentary colors.



75.6487, 0.2936, 0.3078



93.8492, 0.3066, 0.3224



86.5546, 0.2997, 0.3394



19.8461, 0.3054, 0.3211



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.



75.6487, 0.2936, 0.3078



78.2315, 0.2889, 0.3024



71.1653, 0.2968, 0.2973



16.8269, 0.2980, 0.3127



6.9854, 0.1632, 0.1076



0.7950, 0.1701, 0.1324

Inverse Universe

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



74.2139, 0.3278, 0.3188



76.4403, 0.3319, 0.3163



89.5506, 0.3276, 0.3594



16.5734, 0.3241, 0.3212



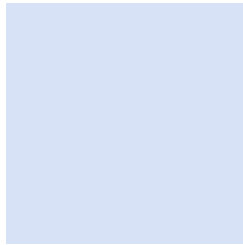
10.8046, 0.5645, 0.2883



0.9679, 0.5294, 0.2690

Previews

White Background



This preview shows how the Yxy color 75.6455, 0.2936, 0.3078 looks on a white background.

Color Contrast Check

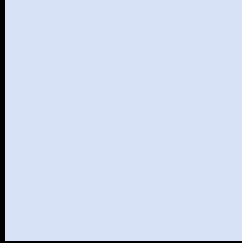
Large Text (above 18pt) WCAG AA × Fail

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 75.6455, 0.2936, 0.3078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

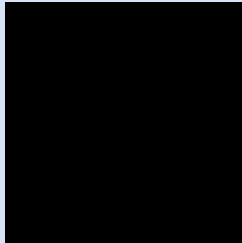
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

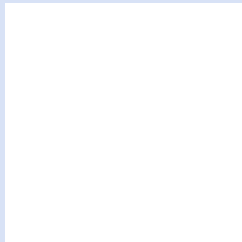
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6455, 0.2936, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 75.6455, 0.2936, 0.3078.



This preview shows how white text looks on a background with the Yxy color 75.6455, 0.2936, 0.3078.

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

75.6455, 0.2936, 0.3078

Protanopia

75.7512, 0.2994, 0.3070

Deuteranopia

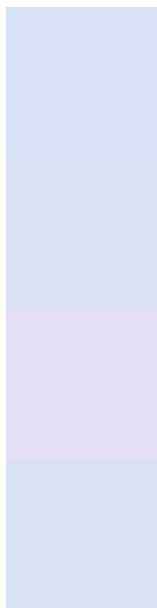
75.3830, 0.3071, 0.3004



Tritanopia

75.5233, 0.2948, 0.3098

Trichromacy



Original Color

75.6455, 0.2936, 0.3078

Protanomaly

75.8152, 0.2974, 0.3079

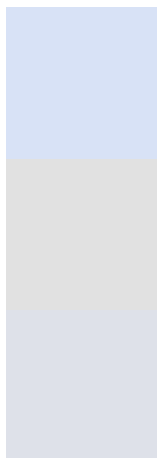
Deuteranomaly

75.6160, 0.3015, 0.3031

Tritanomaly

75.5842, 0.2942, 0.3088

Monochromacy



Original Color

75.6455, 0.2936, 0.3078

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.2632, 0.3055, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6455, 0.2936, 0.3078 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, 226, 246)` looks like.

```
.text, #text, p{  
    color:rgb(216, 226, 246)  
}
```

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, 226, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 226, 246) }
```

Border

The CSS property to change the border of an element to Yxy 75.6455, 0.2936, 0.3078 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, 226, 246) }
```

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

```
.border{ border-color:rgb(216, 226, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 226, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 226, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 226, 246);  
box-shadow:4px 4px 4px 4px rgb(216, 226,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6455, 0.2936, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 226, 246) }
```

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

```
.background{ background-color: rgb(216,  
226, 246) }
```

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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