

Converting Colors

$Yxy(71.9651, 0.2990, 0.3064)$

Have a look what the booklet for
Yxy(71.9651, 0.2990, 0.3064)
contains.

Yxy(72.0144, 0.2991, 0.3065)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.0144, 0.2991, 0.3065)

Conversions

Conversions Part 1

Format	Color
Hex	DBDBF0
RGB	219, 219, 240
RGB Percent	86%, 86%, 94%
CMY	0.1412, 0.1412, 0.0587
CMYK	0.09, 0.09, 0.00, 0.06
HSL	240°, 41%, 90%
HSV	240°, 9%, 94%
XYZ	70.2757, 72.0144, 92.6671
YIQ	221.3940, -6.7410, 6.5310

Conversions

Conversions Part 2

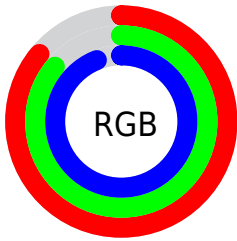
Format	Color
R _Y B	219, 219, 240
Decimal	14408688
CIE Lab	87.98, 3.96, -10.27
CIE LCh	88, 11.001, 291.072
Yxy	72.0144, 0.2991, 0.3065
Android (android.graphics.Color)	4292598768 (0xFFDBDBF0)
YUV	221.3940, 9.1728, -2.0995
Hunter-Lab	84.8613, -0.6871, -5.3408

Details

The Yxy color $72.0144, 0.2991, 0.3065$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $85.9854, 0.3258, 0.3506$, and the grayscale version is $72.5377, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $37.9041, 0.2959, 0.3012$ is the 20% darker color. If you saturate the color by 10%, you get $56.9304, 0.2816, 0.2776$, and if you desaturate by 10%, it is $89.4452, 0.3145, 0.3319$.

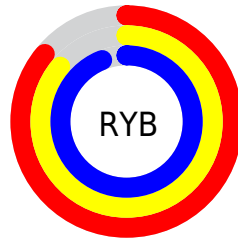
Distribution



Red (86%)

Green (86%)

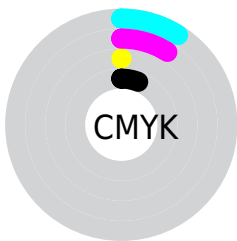
Blue (94%)



Red (86%)

Yellow (86%)

Blue (94%)

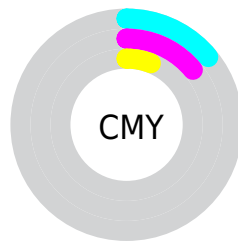


Cyan (9%)

Magenta (9%)

Yellow (0%)

Black (6%)



Cyan (14%)

Magenta (14%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0144, 0.2991, 0.3065 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 72.0144, 0.2991, 0.3065 by changing the saturation by 10% instead.

■ 72.0144, 0.2991,
0.3065

■ 72.0144, 0.2991,
0.3065

467.5917, 0.3054,
0.3168

■ 53.1704, 0.2976,
0.3042

122.0770, 0.3013,
0.3101

■ 37.9388, 0.2958,
0.3013

154.0644, 0.3022,
0.3115

■ 25.9352, 0.2936,
0.2976

191.2018, 0.3029,
0.3127

■ 16.7752, 0.2906,
0.2929

233.8735, 0.3035,
0.3137

■ 10.0743, 0.2865,
0.2865

282.4640, 0.3041,
0.3146

■ 5.4483, 0.2805,
0.2774

337.3576, 0.3046,

■ 2.5126, 0.2712,

0.3155

0.2634

398.9387, 0.3050,
0.3162

■ 0.8829, 0.2544,
0.2391

■ 0.0000, 0.0000,
0.0000

■ 72.0144, 0.2991,
0.3065

■ 72.0144, 0.2991,
0.3065

■ 56.9304, 0.2816,
0.2776

■ 89.4452, 0.3145,
0.3319

■ 44.0844, 0.2621,
0.2454

■ 99.0739, 0.3214,
0.3434

■ 33.3725, 0.2411,
0.2106

■ 24.6794, 0.2194,
0.1747

■ 17.8784, 0.1983,
0.1399

■ 12.8289, 0.1795,
0.1089

■ 9.3706, 0.1648,
0.0844

■ 7.3139, 0.1551,
0.0684

■ 6.3800, 0.1504,
0.0607

Harmonies

Analogous

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



72.0144, 0.2901, 0.3088



72.0144, 0.2991, 0.3065



72.0144, 0.3119, 0.3100

Triad

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



72.0144, 0.2991, 0.3065



72.0144, 0.3390, 0.3407



72.0144, 0.3002, 0.3400

Complementary

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



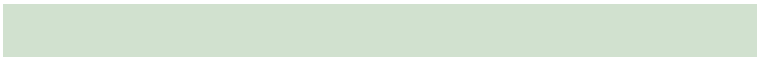
72.0144, 0.2991, 0.3065



85.9854, 0.3258, 0.3506

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.



72.0144, 0.3131, 0.3491



72.0144, 0.2991, 0.3065



72.0144, 0.3357, 0.3492

Square

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



72.0144, 0.2991, 0.3065



72.0144, 0.3351, 0.3294



72.0144, 0.3261, 0.3524



72.0144, 0.2908, 0.3280

Rectangle

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



72.0144, 0.2991, 0.3065



72.0144, 0.3209, 0.3151



72.0144, 0.3261, 0.3524



72.0144, 0.3043, 0.3435

Sweetspot

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



72.0174, 0.2991, 0.3065



93.7964, 0.3082, 0.3216



83.6776, 0.2994, 0.3293



19.7305, 0.3070, 0.3195



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.



72.0174, 0.2991, 0.3065



78.4626, 0.2953, 0.3003



73.6377, 0.3061, 0.3070



15.2303, 0.2979, 0.3046



3.4463, 0.1500, 0.0600



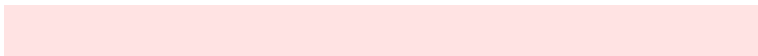
0.2872, 0.1501, 0.0601

Inverse Universe

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



74.3060, 0.3280, 0.3290



81.7150, 0.3324, 0.3290



84.2610, 0.3189, 0.3510



15.7590, 0.3293, 0.3290



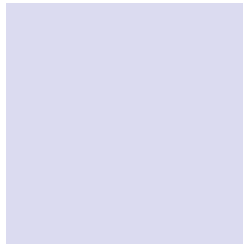
10.1413, 0.6400, 0.3299



0.8437, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 72.0144, 0.2991, 0.3065 looks on a white background.

Color Contrast Check

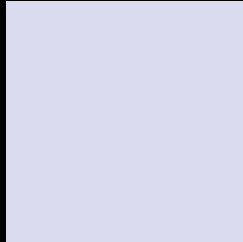
Large Text (above 18pt) WCAG AA × Fail

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 72.0144, 0.2991, 0.3065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

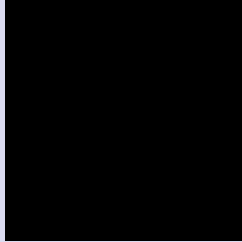
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.0144, 0.2991, 0.3065

Background



This preview shows how black text looks on a background with the Yxy color 72.0144, 0.2991, 0.3065.

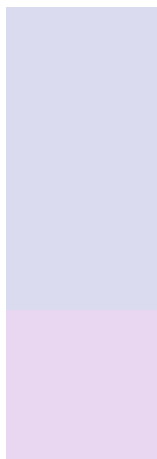


This preview shows how white text looks on a background with the Yxy color 72.0144, 0.2991, 0.3065.

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

72.0144, 0.2991, 0.3065

Protanopia

72.0144, 0.2991, 0.3065

Deuteranopia

71.7676, 0.3083, 0.3009



Tritanopia

72.2063, 0.3003, 0.3107

Trichromacy



Original Color

72.0144, 0.2991, 0.3065

Protanomaly

72.0144, 0.2991, 0.3065

Deuteranomaly

71.9566, 0.3047, 0.3028

Tritanomaly

72.2649, 0.2997, 0.3097

Monochromacy



Original Color

72.0144, 0.2991, 0.3065

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.0035, 0.3075, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0144, 0.2991, 0.3065 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(219, 219, 240)` looks like.

```
.text, #text, p{  
    color:rgb(219, 219, 240)  
}
```

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(219, 219, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 219, 240) }
```

Border

The CSS property to change the border of an element to Yxy 72.0144, 0.2991, 0.3065 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(219, 219, 240) }
```

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

```
.border{ border-color:rgb(219, 219, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 219, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 219, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 219, 240);  
box-shadow:4px 4px 4px 4px rgb(219, 219,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0144, 0.2991, 0.3065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 219, 240) }
```

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

```
.background{ background-color: rgb(219,  
219, 240) }
```

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