

Converting Colors

$Yxy(72.9749, 0.2972, 0.3080)$

Have a look what the booklet for
Yxy(72.9749, 0.2972, 0.3080)
contains.

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Color

Yxy(72.8155, 0.2972, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	D9DDF1
RGB	217, 221, 241
RGB Percent	85%, 87%, 95%
CMY	0.1489, 0.1333, 0.0550
CMYK	0.10, 0.08, 0.00, 0.05
HSL	230°, 46%, 90%
HSV	230°, 10%, 95%
XYZ	70.3536, 72.8155, 93.5523
YIQ	222.0840, -8.8040, 5.3720

Conversions

Conversions Part 2

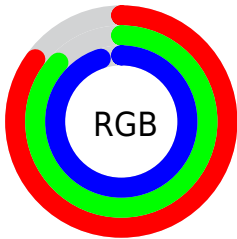
Format	Color
R _Y B	217, 220, 241
Decimal	14278129
CIE Lab	88.36, 2.47, -10.20
CIE LCh	88, 10.498, 283.588
Yxy	72.8155, 0.2972, 0.3076
Android (android.graphics.Color)	4292468209 (0xFFD9DDF1)
YUV	222.0840, 9.3256, -4.4587
Hunter-Lab	85.3320, -2.1633, -5.2692

Details

The Yxy color $72.8155, 0.2972, 0.3076$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84.2886, 0.3280, 0.3495$, and the grayscale version is $73.0512, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $38.4566, 0.2934, 0.3026$ is the 20% darker color. If you saturate the color by 10%, you get $59.4005, 0.2800, 0.2833$, and if you desaturate by 10%, it is $88.0476, 0.3128, 0.3291$.

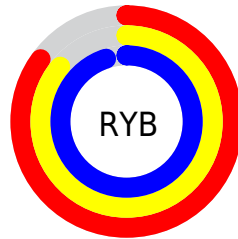
Distribution



Red (85%)

Green (87%)

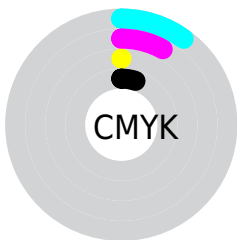
Blue (95%)



Red (85%)

Yellow (86%)

Blue (95%)

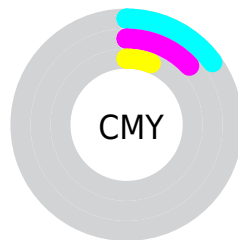


Cyan (10%)

Magenta (8%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (13%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8155, 0.2972, 0.3076 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 72.8155, 0.2972, 0.3076 by changing the saturation by 10% instead.

■ 72.8155, 0.2972,
0.3076

■ 72.8155, 0.2972,
0.3076

470.3751, 0.3044,
0.3174

■ 53.8251, 0.2956,
0.3054

123.2153, 0.2997,
0.3110

■ 38.4619, 0.2935,
0.3026

155.3934, 0.3007,
0.3123

■ 26.3413, 0.2910,
0.2992

192.7363, 0.3015,
0.3135

■ 17.0792, 0.2876,
0.2947

235.6283, 0.3022,
0.3145

■ 10.2910, 0.2830,
0.2886

284.4537, 0.3029,
0.3153

■ 5.5923, 0.2764,
0.2799

339.5971, 0.3034,

■ 2.5988, 0.2661,

0.3161

0.2665

401.4428, 0.3039,
0.3168

■ 0.9261, 0.2479,
0.2433

■ 0.0000, 0.0000,
0.0000

■ 72.8155, 0.2972,
0.3076

■ 72.8155, 0.2972,
0.3076

■ 59.4005, 0.2800,
0.2833

■ 88.0476, 0.3128,
0.3291

■ 47.7255, 0.2614,
0.2562

■ 99.1299, 0.3209,
0.3425

■ 37.7212, 0.2417,
0.2268

■ 29.3102, 0.2217,
0.1959

■ 22.4088, 0.2024,
0.1648

■ 16.9257, 0.1849,
0.1350

■ 12.7589, 0.1704,
0.1087

■ 9.7924, 0.1599,
0.0876

■ 7.8699, 0.1535,
0.0726

Harmonies

Analogous

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



72.8155, 0.2899, 0.3112



72.8155, 0.2972, 0.3076



72.8155, 0.3087, 0.3096

Triad

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



72.8155, 0.2972, 0.3076



72.8155, 0.3374, 0.3376



72.8155, 0.3037, 0.3420

Complementary

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



72.8155, 0.2972, 0.3076



84.2886, 0.3280, 0.3495

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.



72.8155, 0.3163, 0.3494



72.8155, 0.2972, 0.3076



72.8155, 0.3360, 0.3466

Square

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



72.8155, 0.2972, 0.3076



72.8155, 0.3321, 0.3267



72.8155, 0.3282, 0.3510



72.8155, 0.2936, 0.3310

Rectangle

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



72.8155, 0.2972, 0.3076



72.8155, 0.3173, 0.3138



72.8155, 0.3282, 0.3510



72.8155, 0.3078, 0.3450

Sweetspot

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



72.8186, 0.2972, 0.3076



94.5724, 0.3082, 0.3228



83.7719, 0.2997, 0.3332



19.9388, 0.3070, 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.



72.8186, 0.2972, 0.3076



79.4283, 0.2937, 0.3027



72.0027, 0.3027, 0.3037



15.6515, 0.2980, 0.3087



4.3927, 0.1540, 0.0745



0.4881, 0.1599, 0.0955

Inverse Universe

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



73.5609, 0.3275, 0.3249



80.4698, 0.3310, 0.3240



85.2363, 0.3221, 0.3539



15.8015, 0.3267, 0.3251



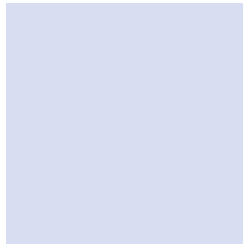
10.2368, 0.6159, 0.3166



0.8640, 0.5827, 0.2983

Previews

White Background



This preview shows how the Yxy color 72.8155, 0.2972, 0.3076 looks on a white background.

Color Contrast Check

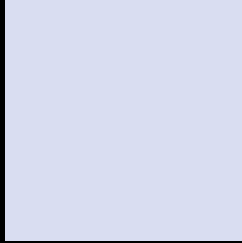
Large Text (above 18pt) WCAG AA × Fail

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 72.8155, 0.2972, 0.3076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

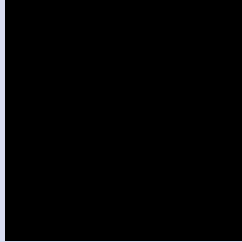
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

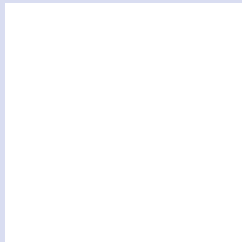
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8155, 0.2972, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 72.8155, 0.2972, 0.3076.

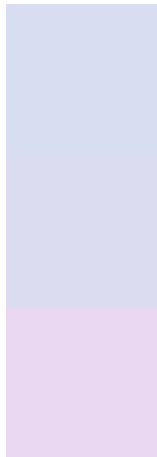


This preview shows how white text looks on a background with the Yxy color 72.8155, 0.2972, 0.3076.

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

72.8155, 0.2972, 0.3076

Protanopia

72.6933, 0.2998, 0.3077

Deuteranopia

72.5041, 0.3083, 0.3010



Tritanopia

72.6966, 0.2984, 0.3097

Trichromacy



Original Color

72.8155, 0.2972, 0.3076

Protanomaly

72.5377, 0.2991, 0.3076

Deuteranomaly

72.5305, 0.3041, 0.3028

Tritanomaly

72.7559, 0.2978, 0.3086

Monochromacy



Original Color

72.8155, 0.2972, 0.3076

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.1153, 0.3068, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8155, 0.2972, 0.3076 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(217, 221, 241)` looks like.

```
.text, #text, p{  
    color:rgb(217, 221, 241)  
}
```

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(217, 221, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 221, 241) }
```

Border

The CSS property to change the border of an element to Yxy 72.8155, 0.2972, 0.3076 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(217, 221, 241) }
```

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

```
.border{ border-color:rgb(217, 221, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 221, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 221, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 221, 241);  
box-shadow:4px 4px 4px 4px rgb(217, 221,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8155, 0.2972, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 221, 241) }
```

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

```
.background{ background-color: rgb(217,  
221, 241) }
```

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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