

Converting Colors

$Y_{xy}(72.7008, 0.3090, 0.3220)$

Have a look what the booklet for
Yxy(72.7008, 0.3090, 0.3220)
contains.

Yxy(72.7885, 0.3095, 0.3225)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.7885, 0.3095, 0.3225)

Conversions

Conversions Part 1

Format	Color
Hex	DEDDE3
RGB	222, 221, 227
RGB Percent	87%, 87%, 89%
CMY	0.1293, 0.1334, 0.1097
CMYK	0.02, 0.03, 0.00, 0.11
HSL	250°, 10%, 88%
HSV	250°, 3%, 89%
XYZ	69.8544, 72.7885, 83.0579
YIQ	221.9830, -1.3300, 2.0780

Conversions

Conversions Part 2

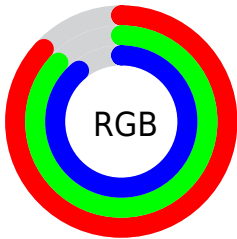
Format	Color
R _Y B	222, 221, 227
Decimal	14605795
CIE Lab	88.35, 1.45, -2.83
CIE LCh	88, 3.183, 297.097
Yxy	72.7885, 0.3095, 0.3225
Android (android.graphics.Color)	4292795875 (0xFFDEDEE3)
YUV	221.9830, 2.4734, 0.0149
Hunter-Lab	85.3162, -3.1527, 2.0007

Details

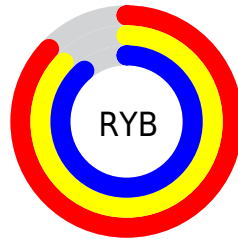
The Yxy color **72.7885, 0.3095, 0.3225** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.3394, 0.3159, 0.3354**, and the grayscale version is **73.0224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.4665, 0.3085, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **58.7962, 0.2962, 0.2961**, and if you desaturate by 10%, it is **88.7394, 0.3210, 0.3459**.

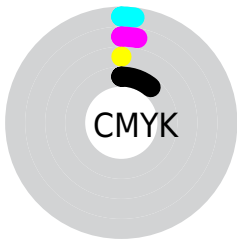
Distribution



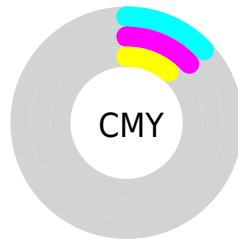
- Red (87%)
- Green (87%)
- Blue (89%)



- Red (87%)
- Yellow (87%)
- Blue (89%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (13%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7885, 0.3095, 0.3225 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 72.7885, 0.3095, 0.3225 by changing the saturation by 10% instead.

■ 72.7885, 0.3095,
0.3225

■ 72.7885, 0.3095,
0.3225

470.2815, 0.3110,
0.3255

■ 53.8030, 0.3092,
0.3218

123.1769, 0.3100,
0.3235

■ 38.4442, 0.3087,
0.3210

155.3487, 0.3102,
0.3239

■ 26.3276, 0.3082,
0.3199

192.6846, 0.3104,
0.3243

■ 17.0689, 0.3075,
0.3185

235.5692, 0.3105,
0.3246

■ 10.2836, 0.3065,
0.3166

284.3868, 0.3107,
0.3249

■ 5.5874, 0.3051,
0.3138

339.5217, 0.3108,

■ 2.5959, 0.3029,

0.3251

401.3585, 0.3109,
0.3253

0.3095

0.9246, 0.2988,
0.3017

0.0000, 0.0000,
0.0000

72.7885, 0.3095,
0.3225

72.7885, 0.3095,
0.3225

58.7962, 0.2962,
0.2961

88.7394, 0.3210,
0.3459

46.6778, 0.2811,
0.2668

98.3274, 0.3291,
0.3562

36.3560, 0.2641,
0.2349

27.7446, 0.2457,
0.2012

■ 20.7504, 0.2263,
0.1673

■ 15.2709, 0.2071,
0.1350

■ 11.1921, 0.1893,
0.1068

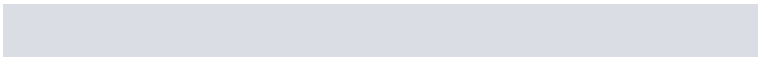
■ 8.3830, 0.1741,
0.0847

■ 6.6876, 0.1627,
0.0701

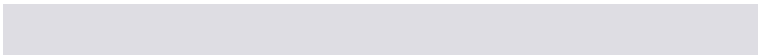
Harmonies

Analogous

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



72.7885, 0.3066, 0.3229



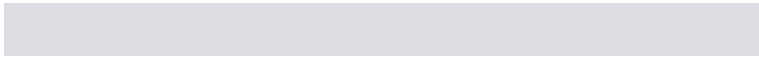
72.7885, 0.3095, 0.3225



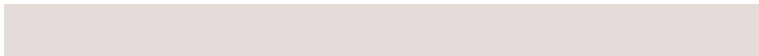
72.7885, 0.3133, 0.3238

Triad

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



72.7885, 0.3095, 0.3225



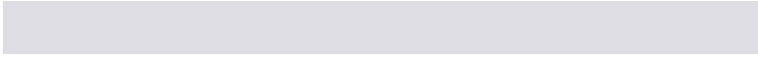
72.7885, 0.3202, 0.3331



72.7885, 0.3085, 0.3315

Complementary

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



72.7885, 0.3095, 0.3225



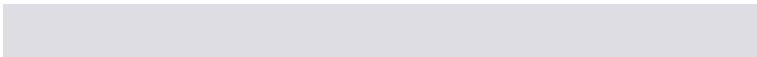
76.3394, 0.3159, 0.3354

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.



72.7885, 0.3121, 0.3343



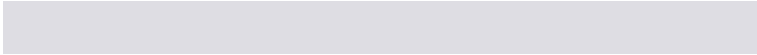
72.7885, 0.3095, 0.3225



72.7885, 0.3189, 0.3352

Square

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



72.7885, 0.3095, 0.3225



72.7885, 0.3195, 0.3299



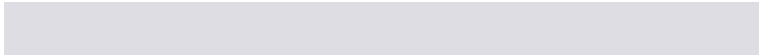
72.7885, 0.3159, 0.3356



72.7885, 0.3060, 0.3281

Rectangle

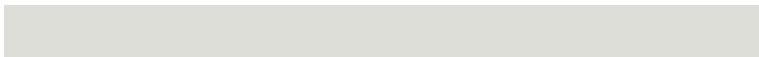
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7885, 0.3095, 0.3225



72.7885, 0.3158, 0.3255



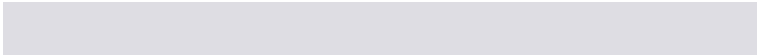
72.7885, 0.3159, 0.3356



72.7885, 0.3096, 0.3326

Sweetspot

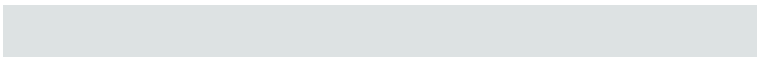
The Sweet Spot groups the original color and five complimentary colors.



72.7916, 0.3095, 0.3225



97.9852, 0.3115, 0.3266



75.3223, 0.3086, 0.3279



20.9941, 0.3116, 0.3267



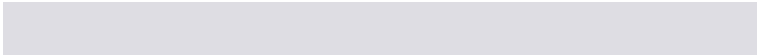
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

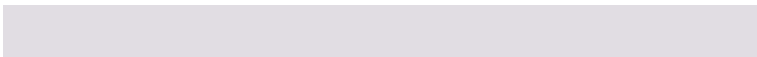
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7916, 0.3095, 0.3225



94.0333, 0.3091, 0.3216



73.2675, 0.3116, 0.3226



15.7945, 0.3081, 0.3197



3.5194, 0.1577, 0.0643



0.2954, 0.1702, 0.0711

Inverse Universe

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



73.5356, 0.3137, 0.3237



95.1316, 0.3138, 0.3229



75.8608, 0.3138, 0.3355



16.0284, 0.3141, 0.3214



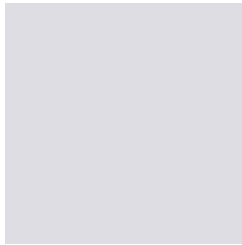
11.6595, 0.3695, 0.1809



0.8728, 0.3612, 0.1763

Previews

White Background



This preview shows how the Yxy color 72.7885, 0.3095, 0.3225 looks on a white background.

Color Contrast Check

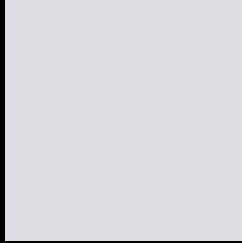
Large Text (above 18pt) WCAG AA × Fail

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 72.7885, 0.3095, 0.3225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

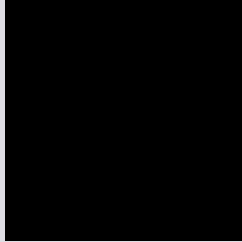
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

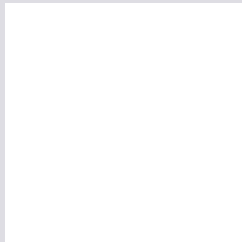
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7885, 0.3095, 0.3225

Background



This preview shows how black text looks on a background with the Yxy color 72.7885, 0.3095, 0.3225.

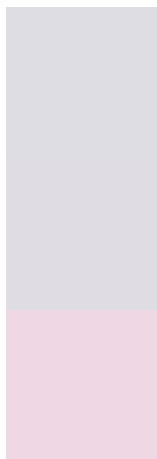


This preview shows how white text looks on a background with the Yxy color 72.7885, 0.3095, 0.3225.

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

72.7885, 0.3095, 0.3225

Protanopia

72.5797, 0.3109, 0.3215

Deuteranopia

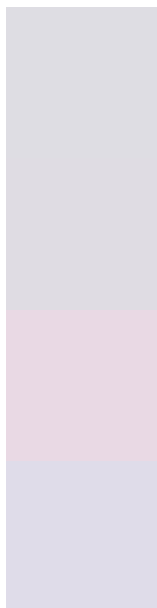
72.7276, 0.3221, 0.3155



Tritanopia

72.6248, 0.3045, 0.3099

Trichromacy



Original Color

72.7885, 0.3095, 0.3225

Protanomaly

72.4204, 0.3102, 0.3215

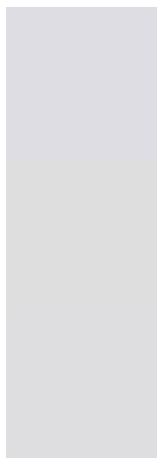
Deuteranomaly

72.5508, 0.3169, 0.3174

Tritanomaly

72.7576, 0.3063, 0.3151

Monochromacy



Original Color

72.7885, 0.3095, 0.3225

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

73.1540, 0.3114, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7885, 0.3095, 0.3225 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(222, 221, 227)` looks like.

```
.text, #text, p{  
    color:rgb(222, 221, 227)  
}
```

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(222, 221, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 221, 227) }
```

Border

The CSS property to change the border of an element to Yxy 72.7885, 0.3095, 0.3225 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(222, 221, 227) }
```

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

```
.border{ border-color:rgb(222, 221, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 221, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 221, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 221, 227);  
box-shadow:4px 4px 4px 4px rgb(222, 221,  
227) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.7885, 0.3095, 0.3225$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 221, 227) }
```

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

```
.background{ background-color: rgb(222,  
221, 227) }
```

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