

Converting Colors

$Y_{xy}(72.0471, 0.3110, 0.3268)$

Have a look what the booklet for
Yxy(72.0471, 0.3110, 0.3268)
contains.

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Color

Yxy(72.2563, 0.3107, 0.3268)

Conversions

Conversions Part 1

Format	Color
Hex	DCDDDF
RGB	220, 221, 223
RGB Percent	86%, 87%, 87%
CMY	0.1372, 0.1333, 0.1254
CMYK	0.01, 0.01, 0.00, 0.13
HSL	220°, 4%, 87%
HSV	220°, 1%, 87%
XYZ	68.6965, 72.2563, 80.1497
YIQ	220.9290, -1.2380, 0.4100

Conversions

Conversions Part 2

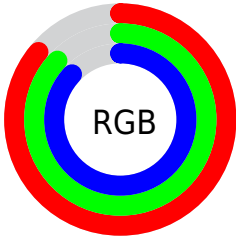
Format	Color
R _Y B	220, 221, 223
Decimal	14474719
CIE Lab	88.09, 0.04, -1.11
CIE LCh	88, 1.115, 272.138
Yxy	72.2563, 0.3107, 0.3268
Android (android.graphics.Color)	4292664799 (0xFFDCDDDF)
YUV	220.9290, 1.0210, -0.8147
Hunter-Lab	85.0037, -4.5000, 3.5983

Details

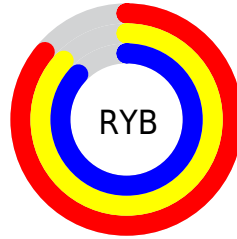
The Yxy color `72.2563, 0.3107, 0.3268` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `73.1217, 0.3147, 0.3312`, and the grayscale version is `72.2514, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `38.0989, 0.3101, 0.3262` is the 20% darker color. If you saturate the color by 10%, you get `61.4309, 0.2950, 0.3093`, and if you desaturate by 10%, it is `84.2612, 0.3252, 0.3423`.

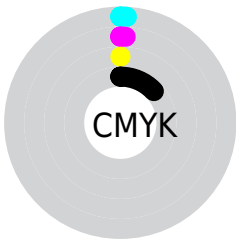
Distribution



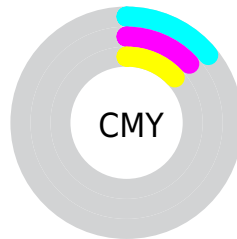
- Red (86%)
- Green (87%)
- Blue (87%)



- Red (86%)
- Yellow (87%)
- Blue (87%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)



- Cyan (14%)
- Magenta (13%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2563, 0.3107, 0.3268 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 72.2563, 0.3107, 0.3268 by changing the saturation by 10% instead.

■ 72.2563, 0.3107,
0.3268

■ 72.2563, 0.3107,
0.3268

468.4332, 0.3116,
0.3278

■ 53.3681, 0.3105,
0.3266

122.4209, 0.3110,
0.3272

■ 38.0967, 0.3102,
0.3263

154.4660, 0.3112,
0.3273

■ 26.0577, 0.3099,
0.3259

191.6655, 0.3113,
0.3274

■ 16.8668, 0.3094,
0.3254

234.4038, 0.3114,
0.3275

■ 10.1396, 0.3088,
0.3247

283.0654, 0.3114,
0.3276

■ 5.4916, 0.3079,
0.3238

338.0345, 0.3115,

■ 2.5385, 0.3065,

0.3277

0.3222

399.6957, 0.3116,
0.3278

0.8958, 0.3040,
0.3194

0.0000, 0.0000,
0.0000

72.2563, 0.3107,
0.3268

72.2563, 0.3107,
0.3268

61.4309, 0.2950,
0.3093

84.2612, 0.3252,
0.3423

51.7390, 0.2783,
0.2896

95.6004, 0.3320,
0.3564

43.1450, 0.2607,
0.2678

98.1087, 0.3315,
0.3601

35.6078, 0.2427,
0.2442

■ 29.0838, 0.2247,
0.2190

■ 23.5258, 0.2075,
0.1931

■ 18.8825, 0.1919,
0.1673

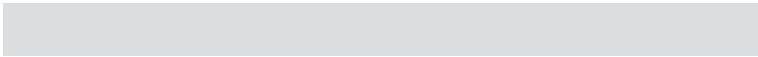
■ 15.0971, 0.1788,
0.1428

■ 12.1046, 0.1686,
0.1207

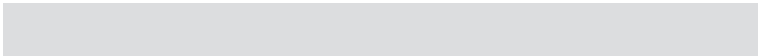
Harmonies

Analogous

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



72.2563, 0.3101, 0.3274



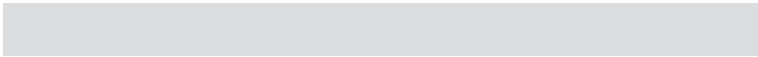
72.2563, 0.3107, 0.3268



72.2563, 0.3118, 0.3268

Triad

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



72.2563, 0.3107, 0.3268



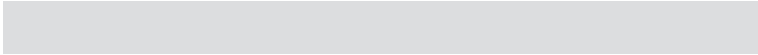
72.2563, 0.3152, 0.3295



72.2563, 0.3123, 0.3307

Complementary

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



72.2563, 0.3107, 0.3268



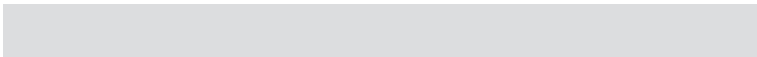
73.1217, 0.3147, 0.3312

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.



72.2563, 0.3136, 0.3313



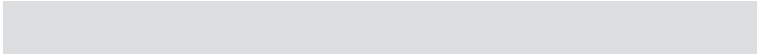
72.2563, 0.3107, 0.3268



72.2563, 0.3153, 0.3306

Square

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



72.2563, 0.3107, 0.3268



72.2563, 0.3144, 0.3283



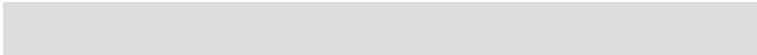
72.2563, 0.3148, 0.3312



72.2563, 0.3110, 0.3297

Rectangle

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



72.2563, 0.3107, 0.3268



72.2563, 0.3127, 0.3271



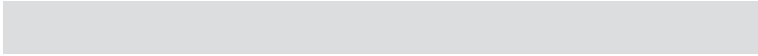
72.2563, 0.3148, 0.3312



72.2563, 0.3127, 0.3310

Sweetspot

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



72.2594, 0.3107, 0.3268

100.0000, 0.3127, 0.3290



73.2783, 0.3113, 0.3301



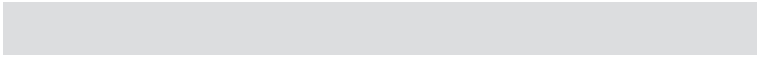
21.4041, 0.3127, 0.3290



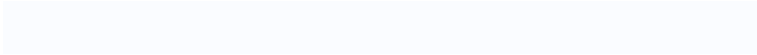
0.0000, 0.0000, 0.0000

Same Dimension

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



72.2594, 0.3107, 0.3268



96.8743, 0.3097, 0.3257



71.8215, 0.3111, 0.3257



15.7877, 0.3099, 0.3259



6.1078, 0.1630, 0.1068



0.5827, 0.1716, 0.1378

Inverse Universe

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



72.1074, 0.3142, 0.3279



96.5699, 0.3150, 0.3274



73.5646, 0.3143, 0.3322



15.7411, 0.3148, 0.3275



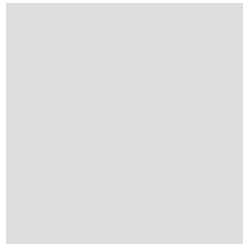
9.5246, 0.5657, 0.2890



0.6763, 0.5220, 0.2649

Previews

White Background



This preview shows how the Yxy color 72.2563, 0.3107, 0.3268 looks on a white background.

Color Contrast Check

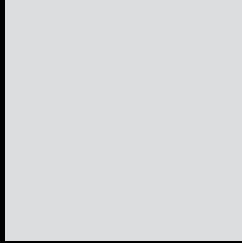
Large Text (above 18pt) WCAG AA × Fail

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 72.2563, 0.3107, 0.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

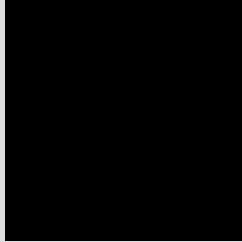
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

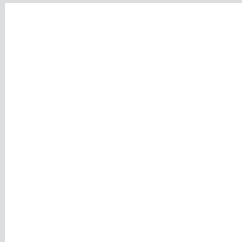
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2563, 0.3107, 0.3268

Background



This preview shows how black text looks on a background with the Yxy color 72.2563, 0.3107, 0.3268.

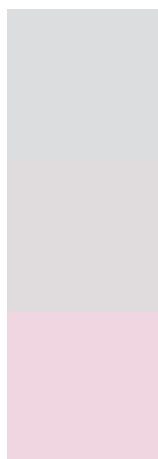


This preview shows how white text looks on a background with the Yxy color 72.2563, 0.3107, 0.3268.

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

72.2563, 0.3107, 0.3268

Protanopia

72.3076, 0.3142, 0.3268

Deuteranopia

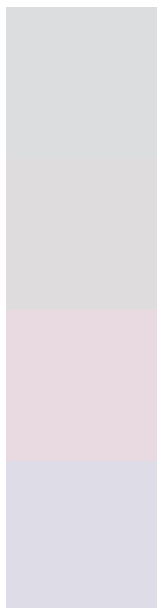
72.0002, 0.3250, 0.3186



Tritanopia

72.2488, 0.3037, 0.3108

Trichromacy



Original Color

72.2563, 0.3107, 0.3268

Protanomaly

72.1483, 0.3135, 0.3268

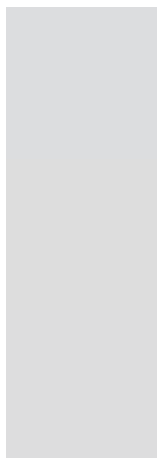
Deuteranomaly

72.3312, 0.3196, 0.3216

Tritanomaly

72.3281, 0.3062, 0.3172

Monochromacy



Original Color

72.2563, 0.3107, 0.3268

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.3590, 0.3121, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2563, 0.3107, 0.3268 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(220, 221, 223)` looks like.

```
.text, #text, p{  
    color:rgb(220, 221, 223)  
}
```

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(220, 221, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 221, 223) }
```

Border

The CSS property to change the border of an element to Yxy 72.2563, 0.3107, 0.3268 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(220, 221, 223) }
```

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

```
.border{ border-color:rgb(220, 221, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 221, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 221, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 221, 223);  
box-shadow:4px 4px 4px 4px rgb(220, 221,  
223) }
```

Background

The CSS property to change the background color of an element to $\text{Yxy } 72.2563, 0.3107, 0.3268$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 221, 223) }
```

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

```
.background{ background-color: rgb(220,  
221, 223) }
```

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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