

Converting Colors

$Y_{xy}(72.2020, 0.3140, 0.3312)$

Have a look what the booklet for
Yxy(72.2020, 0.3140, 0.3312)
contains.

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Color

Yxy(72.1995, 0.3140, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	DDDDDB
RGB	221, 221, 219
RGB Percent	87%, 87%, 86%
CMY	0.1335, 0.1333, 0.1412
CMYK	0.00, 0.00, 0.01, 0.13
HSL	62°, 3%, 86%
HSV	62°, 1%, 87%
XYZ	68.4500, 72.1995, 77.3442
YIQ	220.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

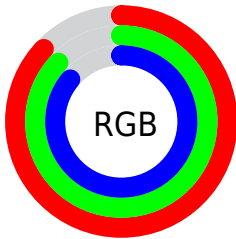
Format	Color
R _Y B	219, 221, 219
Decimal	14540251
CIE Lab	88.06, -0.38, 0.97
CIE LCh	88, 1.042, 111.292
Yxy	72.1995, 0.3140, 0.3312
Android (android.graphics.Color)	4292730331 (0xFFDDDDDB)
YUV	220.7720, -0.8736, 0.2000
Hunter-Lab	84.9703, -4.9027, 5.5105

Details

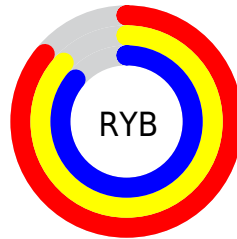
The Yxy color **72.1995, 0.3140, 0.3312** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.9544, 0.3114, 0.3268**, and the grayscale version is **72.1413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.0598, 0.3144, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **70.9984, 0.3283, 0.3558**, and if you desaturate by 10%, it is **73.5619, 0.3003, 0.3077**.

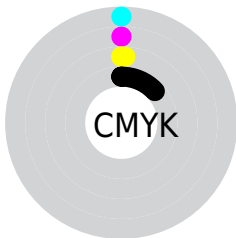
Distribution



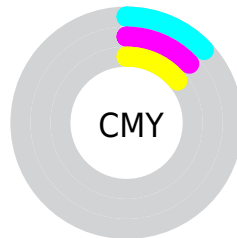
- Red (87%)
- Green (87%)
- Blue (86%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1995, 0.3140, 0.3312 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 72.1995, 0.3140, 0.3312 by changing the saturation by 10% instead.

■ 72.1995, 0.3140,
0.3312

■ 72.1995, 0.3140,
0.3312

468.2357, 0.3134,
0.3302

■ 53.3217, 0.3141,
0.3314

122.3401, 0.3138,
0.3308

■ 38.0596, 0.3143,
0.3317

154.3717, 0.3137,
0.3307

■ 26.0290, 0.3145,
0.3321

191.5566, 0.3136,
0.3306

■ 16.8453, 0.3148,
0.3326

234.2793, 0.3136,
0.3305

■ 10.1243, 0.3152,
0.3332

282.9242, 0.3135,
0.3304

■ 5.4814, 0.3157,
0.3342

337.8756, 0.3135,

■ 2.5324, 0.3166,

0.3303

399.5180, 0.3134,
0.3303

0.3357

0.8928, 0.3184,
0.3386

0.0000, 0.0000,
0.0000

72.1995, 0.3140,
0.3312

72.1995, 0.3140,
0.3312

70.9984, 0.3283,
0.3558

73.5619, 0.3003,
0.3077

69.9432, 0.3429,
0.3811

74.5424, 0.2922,
0.2937

69.0306, 0.3574,
0.4064

74.6602, 0.2927,
0.2938

68.2536, 0.3712,
0.4306

74.7786, 0.2932,
0.2938

67.6049, 0.3838,
0.4530

74.8975, 0.2937,
0.2939

67.0762, 0.3946,
0.4724

75.0169, 0.2942,
0.2939

66.6582, 0.4031,
0.4881

75.1369, 0.2947,
0.2940

66.3405, 0.4090,
0.4995

75.2573, 0.2952,
0.2940

66.1106, 0.4122,
0.5066

75.3783, 0.2957,
0.2941

Harmonies

Analogous

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



72.1995, 0.3149, 0.3309



72.1995, 0.3140, 0.3312



72.1995, 0.3128, 0.3309

Triad

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



72.1995, 0.3140, 0.3312



72.1995, 0.3103, 0.3279



72.1995, 0.3139, 0.3280

Complementary

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



72.1995, 0.3140, 0.3312



70.9544, 0.3114, 0.3268

Split Complementary

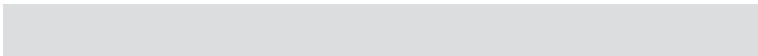
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.1995, 0.3127, 0.3272



72.1995, 0.3140, 0.3312



72.1995, 0.3106, 0.3271

Square

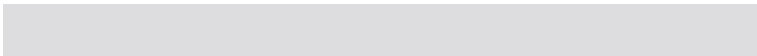
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1995, 0.3140, 0.3312



72.1995, 0.3106, 0.3289



72.1995, 0.3115, 0.3269



72.1995, 0.3148, 0.3291

Rectangle

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



72.1995, 0.3140, 0.3312



72.1995, 0.3119, 0.3304



72.1995, 0.3115, 0.3269



72.1995, 0.3135, 0.3277

Sweetspot

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



72.2026, 0.3140, 0.3312

100.0000, 0.3127, 0.3290



71.1873, 0.3142, 0.3291



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.



72.2026, 0.3140, 0.3312



99.8206, 0.3141, 0.3314



72.0446, 0.3133, 0.3312



15.4612, 0.3140, 0.3313



38.3187, 0.4135, 0.5099



2.4896, 0.4145, 0.5091

Inverse Universe

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



70.9544, 0.3114, 0.3268



97.9194, 0.3113, 0.3266



71.1116, 0.3121, 0.3268



15.1857, 0.3114, 0.3267



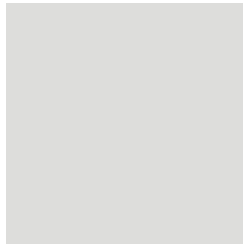
3.0702, 0.1511, 0.0606



0.2064, 0.1545, 0.0625

Previews

White Background



This preview shows how the Yxy color 72.1995, 0.3140, 0.3312 looks on a white background.

Color Contrast Check

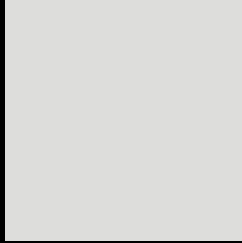
Large Text (above 18pt) WCAG AA × Fail

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 72.1995, 0.3140, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

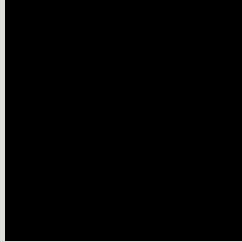
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

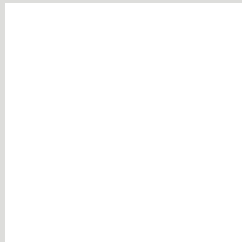
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.1995, 0.3140, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 72.1995, 0.3140, 0.3312.

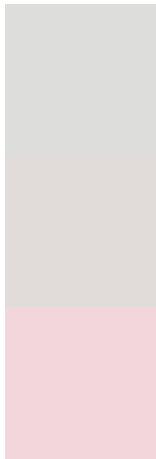


This preview shows how white text looks on a background with the Yxy color 72.1995, 0.3140, 0.3312.

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

72.1995, 0.3140, 0.3312

Protanopia

72.2559, 0.3176, 0.3312

Deuteranopia

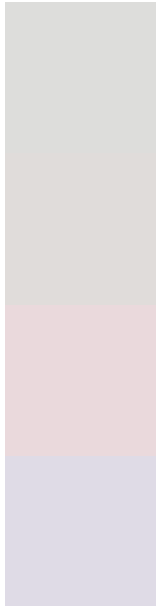
72.1377, 0.3293, 0.3228



Tritanopia

72.0462, 0.3051, 0.3098

Trichromacy



Original Color

72.1995, 0.3140, 0.3312

Protanomaly

72.0956, 0.3169, 0.3312

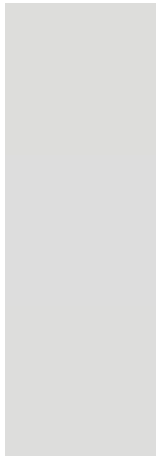
Deuteranomaly

72.2854, 0.3230, 0.3259

Tritanomaly

72.0642, 0.3083, 0.3172

Monochromacy



Original Color

72.1995, 0.3140, 0.3312

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

72.2524, 0.3134, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1995, 0.3140, 0.3312 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(221, 221, 219)` looks like.

```
.text, #text, p{  
    color:rgb(221, 221, 219)  
}
```

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(221, 221, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 221, 219) }
```

Border

The CSS property to change the border of an element to Yxy 72.1995, 0.3140, 0.3312 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(221, 221, 219) }
```

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

```
.border{ border-color:rgb(221, 221, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 221, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 221, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 221, 219);  
box-shadow:4px 4px 4px 4px rgb(221, 221,  
219) }
```

Background

The CSS property to change the background color of an element to Yxy 72.1995, 0.3140, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 221, 219) }
```

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

```
.background{ background-color: rgb(221,  
221, 219) }
```

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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