

Converting Colors

$Yxy(45.8746, 0.3046, 0.3339)$

Have a look what the booklet for
Yxy(45.8746, 0.3046, 0.3339)
contains.

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Color

Yxy(45.7083, 0.3042, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	AAB7B4
RGB	170, 183, 180
RGB Percent	67%, 72%, 71%
CMY	0.3332, 0.2824, 0.2941
CMYK	0.07, 0.00, 0.02, 0.28
HSL	166°, 8%, 69%
HSV	166°, 7%, 72%
XYZ	41.7551, 45.7083, 49.7987
YIQ	178.7710, -6.7850, -3.6890

Conversions

Conversions Part 2

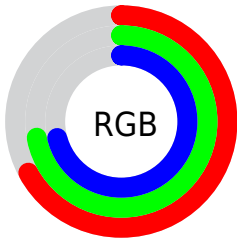
Format	Color
RYB	170, 177, 183
Decimal	11188148
CIELab	73.36, -5.06, -0.03
CIELCh	73, 5.058, 180.352
Yxy	45.7083, 0.3042, 0.3330
Android (android.graphics.Color)	4289378228 (0xFFAAB7B4)
YUV	178.7710, 0.6059, -7.6922
Hunter-Lab	67.6079, -8.0709, 3.6536

Details

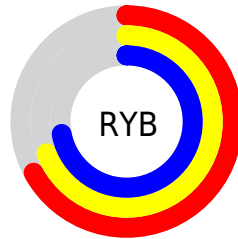
The Yxy color **45.7083, 0.3042, 0.3330** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.8501, 0.3220, 0.3250**, and the grayscale version is **44.9544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7967, 0.3054, 0.3321**, and **21.3491, 0.3022, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **43.6401, 0.2926, 0.3392**, and if you desaturate by 10%, it is **48.0696, 0.3163, 0.3274**.

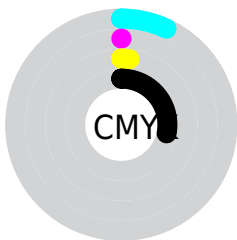
Distribution



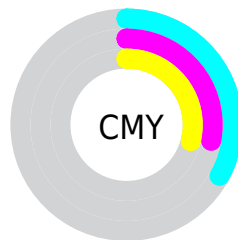
- Red (67%)
- Green (72%)
- Blue (71%)



- Red (67%)
- Yellow (69%)
- Blue (72%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)



- Cyan (33%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7083, 0.3042, 0.3330 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 45.7083, 0.3042, 0.3330 by changing the saturation by 10% instead.

■ 45.7083, 0.3042,
0.3330

■ 45.7083, 0.3042,
0.3330

369.6347, 0.3085,
0.3310

■ 32.0157, 0.3031,
0.3335

■ 83.7823, 0.3058,
0.3323

■ 21.3735, 0.3017,
0.3341

108.9324, 0.3063,
0.3320

■ 13.3973, 0.2999,
0.3350

138.6706, 0.3068,
0.3318

■ 7.7027, 0.2973,
0.3362

173.3811, 0.3073,
0.3316

■ 3.9053, 0.2934,
0.3380

213.4483, 0.3076,
0.3314

■ 1.6207, 0.2868,
0.3411

259.2568, 0.3079,

■ 0.3715, 0.2279,

0.3313

0.3686

311.1907, 0.3082,
0.3311

0.0000, 0.0000,
0.0000

45.7083, 0.3042,
0.3330

45.7083, 0.3042,
0.3330

43.6401, 0.2926,
0.3392

48.0696, 0.3163,
0.3274

41.8474, 0.2816,
0.3459

50.7292, 0.3286,
0.3224

40.3197, 0.2717,
0.3531

53.6994, 0.3408,
0.3180

39.0434, 0.2630,
0.3608

56.9902, 0.3530,
0.3141

38.0040, 0.2559,
0.3689

59.3499, 0.3593,
0.3103

■ 37.1852, 0.2505,
0.3772

■ 59.5523, 0.3557,
0.3059

■ 36.5686, 0.2470,
0.3857

■ 59.7602, 0.3521,
0.3016

■ 36.1330, 0.2455,
0.3942

■ 59.9737, 0.3485,
0.2974

■ 35.8481, 0.2457,
0.4027

■ 60.1929, 0.3450,
0.2931

Harmonies

Analogous

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



45.7083, 0.3108, 0.3384



45.7083, 0.3042, 0.3330



45.7083, 0.2999, 0.3265

Triad

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



45.7083, 0.3042, 0.3330



45.7083, 0.3074, 0.3171



45.7083, 0.3266, 0.3370

Complementary

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



45.7083, 0.3042, 0.3330



41.8501, 0.3220, 0.3250

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.



45.7083, 0.3257, 0.3313



45.7083, 0.3042, 0.3330



45.7083, 0.3146, 0.3199

Square

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



45.7083, 0.3042, 0.3330



45.7083, 0.3018, 0.3174



45.7083, 0.3213, 0.3250



45.7083, 0.3237, 0.3407

Rectangle

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



45.7083, 0.3042, 0.3330



45.7083, 0.2989, 0.3226



45.7083, 0.3213, 0.3250



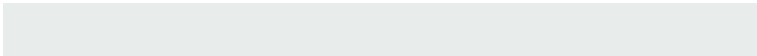
45.7083, 0.3267, 0.3352

Sweetspot

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



45.7102, 0.3042, 0.3330



83.9384, 0.3103, 0.3301



45.6598, 0.3145, 0.3465



18.5493, 0.3104, 0.3301



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



45.7102, 0.3042, 0.3330



81.4575, 0.3029, 0.3336



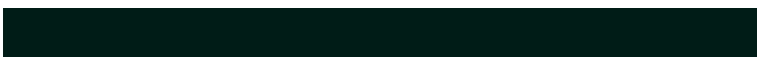
44.4263, 0.3020, 0.3243



10.1741, 0.3015, 0.3343



24.9711, 0.2456, 0.4041



0.8891, 0.2396, 0.3824

Inverse Universe

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



41.8501, 0.3220, 0.3250



73.5701, 0.3235, 0.3244



43.0478, 0.3242, 0.3336



9.0454, 0.3252, 0.3237



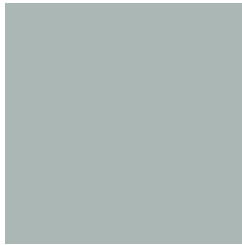
7.1505, 0.5956, 0.3055



0.2618, 0.5224, 0.2651

Previews

White Background



This preview shows how the Yxy color 45.7083, 0.3042, 0.3330 looks on a white background.

Color Contrast Check

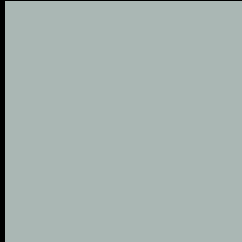
Large Text (above 18pt) WCAG AA × Fail

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 45.7083, 0.3042, 0.3330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

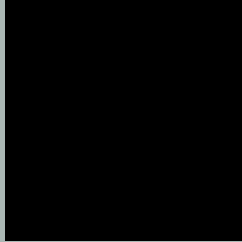
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

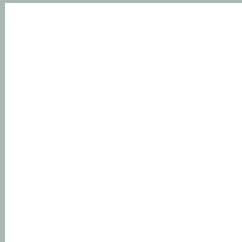
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7083, 0.3042, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 45.7083, 0.3042, 0.3330.



This preview shows how white text looks on a background with the Yxy color 45.7083, 0.3042, 0.3330.

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

45.7083, 0.3042, 0.3330

Protanopia

45.6449, 0.3179, 0.3303

Deuteranopia

45.3853, 0.3257, 0.3189



Tritanopia

45.8721, 0.2953, 0.3106

Trichromacy



Original Color

45.7083, 0.3042, 0.3330

Protanomaly

45.4809, 0.3127, 0.3303

Deuteranomaly

45.3453, 0.3182, 0.3238

Tritanomaly

45.9443, 0.2982, 0.3184

Monochromacy



Original Color

45.7083, 0.3042, 0.3330

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.1273, 0.3101, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7083, 0.3042, 0.3330 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(170, 183, 180)` looks like.

```
.text, #text, p{  
    color:rgb(170, 183, 180)  
}
```

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(170, 183, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 183, 180) }
```

Border

The CSS property to change the border of an element to Yxy 45.7083, 0.3042, 0.3330 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(170, 183, 180) }
```

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

```
.border{ border-color:rgb(170, 183, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 183, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 183, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 183, 180);  
box-shadow:4px 4px 4px 4px rgb(170, 183,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7083, 0.3042, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 183, 180) }
```

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

```
.background{ background-color: rgb(170,  
183, 180) }
```

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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