

Converting Colors

$Yxy(45.0428, 0.2937, 0.3111)$

Have a look what the booklet for
Yxy(45.0428, 0.2937, 0.3111)
contains.

Yxy(45.0836, 0.2936, 0.3105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.0836, 0.2936, 0.3105)

Conversions

Conversions Part 1

Format	Color
Hex	AAB4C2
RGB	170, 180, 194
RGB Percent	67%, 71%, 76%
CMY	0.3334, 0.2941, 0.2393
CMYK	0.12, 0.07, 0.00, 0.24
HSL	215°, 16%, 71%
HSV	215°, 12%, 76%
XYZ	42.6298, 45.0836, 57.4834
YIQ	178.6060, -10.4540, 2.2340

Conversions

Conversions Part 2

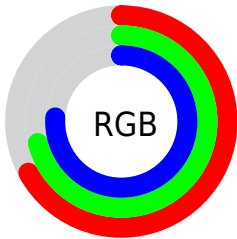
Format	Color
R _Y B	170, 177, 194
Decimal	11187394
CIE Lab	72.95, -0.66, -8.29
CIE LCh	73, 8.313, 265.448
Yxy	45.0836, 0.2936, 0.3105
Android (android.graphics.Color)	4289377474 (0xFFAAB4C2)
YUV	178.6060, 7.5892, -7.5475
Hunter-Lab	67.1443, -4.1733, -3.7582

Details

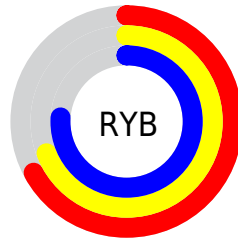
The Yxy color $45.0836, 0.2936, 0.3105$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $48.6238, 0.3326, 0.3468$, and the grayscale version is $44.8200, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.9006, 0.2971, 0.3146$, and $20.9237, 0.2889, 0.3053$ is the 20% darker color. If you saturate the color by 10%, you get $38.7085, 0.2773, 0.2936$, and if you desaturate by 10%, it is $52.1524, 0.3091, 0.3257$.

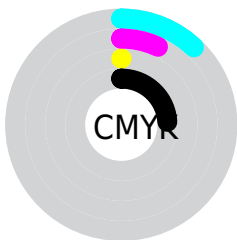
Distribution



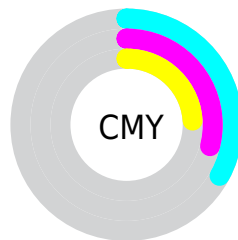
- Red (67%)
- Green (71%)
- Blue (76%)



- Red (67%)
- Yellow (69%)
- Blue (76%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (24%)



- Cyan (33%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0836, 0.2936, 0.3105 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 45.0836, 0.2936, 0.3105 by changing the saturation by 10% instead.

■ 45.0836, 0.2936,
0.3105

■ 45.0836, 0.2936,
0.3105

367.1120, 0.3032,
0.3198

■ 31.5233, 0.2912,
0.3082

■ 82.8458, 0.2971,
0.3139

■ 20.9976, 0.2881,
0.3052

107.8166, 0.2984,
0.3152

■ 13.1223, 0.2840,
0.3012

137.3595, 0.2995,
0.3162

■ 7.5128, 0.2783,
0.2955

171.8592, 0.3004,
0.3171

■ 3.7848, 0.2697,
0.2871

211.6998, 0.3013,
0.3179

■ 1.5539, 0.2555,
0.2731

257.2659, 0.3020,

■ 0.3262, 0.1891,

0.3186

0.2098

308.9419, 0.3026,
0.3193

0.0000, 0.0000,
0.0000

45.0836, 0.2936,
0.3105

45.0836, 0.2936,
0.3105

38.7085, 0.2773,
0.2936

52.1524, 0.3091,
0.3257

32.9987, 0.2605,
0.2750

59.9308, 0.3238,
0.3391

27.9321, 0.2435,
0.2548

68.4413, 0.3374,
0.3510

23.4830, 0.2268,
0.2333

77.7034, 0.3500,
0.3614

19.6236, 0.2111,
0.2109

85.3964, 0.3530,
0.3717

■ 16.3238, 0.1969,
0.1883

■ 92.1170, 0.3505,
0.3823

■ 13.5497, 0.1849,
0.1663

■ 96.6743, 0.3490,
0.3890

■ 11.2628, 0.1754,
0.1457

■ 9.8001, 0.1698,
0.1311

Harmonies

Analogous

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



45.0836, 0.2901, 0.3167



45.0836, 0.2936, 0.3105



45.0836, 0.3022, 0.3092

Triad

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



45.0836, 0.2936, 0.3105



45.0836, 0.3334, 0.3309



45.0836, 0.3114, 0.3458

Complementary

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



45.0836, 0.2936, 0.3105



48.6238, 0.3326, 0.3468

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.



45.0836, 0.3230, 0.3496



45.0836, 0.2936, 0.3105



45.0836, 0.3359, 0.3407

Square

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



45.0836, 0.2936, 0.3105



45.0836, 0.3252, 0.3209



45.0836, 0.3321, 0.3476



45.0836, 0.3002, 0.3373

Rectangle

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



45.0836, 0.2936, 0.3105



45.0836, 0.3097, 0.3112



45.0836, 0.3321, 0.3476



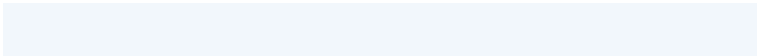
45.0836, 0.3154, 0.3477

Sweetspot

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



45.0855, 0.2936, 0.3105



92.2589, 0.3066, 0.3232



50.5618, 0.3013, 0.3427



19.9825, 0.3054, 0.3221



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.



45.0855, 0.2936, 0.3105



78.2696, 0.2890, 0.3059



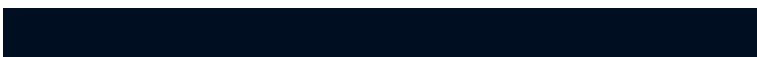
41.3549, 0.2947, 0.2970



10.4248, 0.2984, 0.3152



6.5988, 0.1704, 0.1336



0.4211, 0.1829, 0.1783

Inverse Universe

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



43.5014, 0.3260, 0.3162



74.9050, 0.3296, 0.3131



52.7336, 0.3296, 0.3593



10.1462, 0.3225, 0.3194



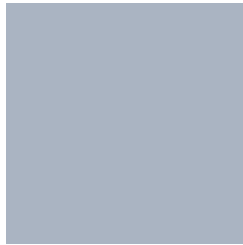
7.9484, 0.5278, 0.2681



0.3572, 0.4705, 0.2366

Previews

White Background



This preview shows how the Yxy color 45.0836, 0.2936, 0.3105 looks on a white background.

Color Contrast Check

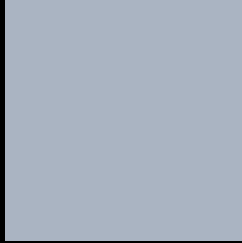
Large Text (above 18pt) WCAG AA × Fail

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 45.0836, 0.2936, 0.3105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

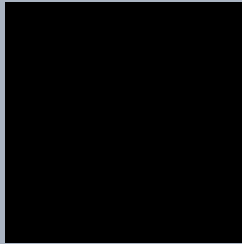
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

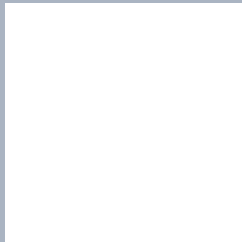
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0836, 0.2936, 0.3105

Background



This preview shows how black text looks on a background with the Yxy color 45.0836, 0.2936, 0.3105.

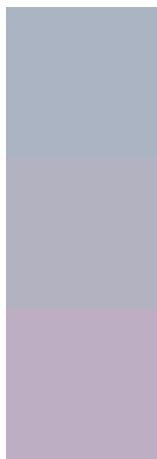


This preview shows how white text looks on a background with the Yxy color 45.0836, 0.2936, 0.3105.

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

45.0836, 0.2936, 0.3105

Protanopia

45.1560, 0.3009, 0.3095

Deuteranopia

45.0311, 0.3087, 0.3024



Tritanopia

45.0836, 0.2936, 0.3105

Trichromacy



Original Color

45.0836, 0.2936, 0.3105

Protanomaly

45.2044, 0.2984, 0.3106

Deuteranomaly

44.9359, 0.3027, 0.3045

Tritanomaly

45.0836, 0.2936, 0.3105

Monochromacy



Original Color

45.0836, 0.2936, 0.3105

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.9310, 0.3062, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0836, 0.2936, 0.3105 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, 180, 194)` looks like.

```
.text, #text, p{  
    color:rgb(170, 180, 194)  
}
```

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, 180, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 180, 194) }
```

Border

The CSS property to change the border of an element to Yxy 45.0836, 0.2936, 0.3105 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, 180, 194) }
```

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

```
.border{ border-color:rgb(170, 180, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 180, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 180, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 180, 194);  
box-shadow:4px 4px 4px 4px rgb(170, 180,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0836, 0.2936, 0.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 180, 194) }
```

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

```
.background{ background-color: rgb(170,  
180, 194) }
```

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