

Converting Colors

$Y_{xy}(45.6288, 0.3104, 0.3257)$

Have a look what the booklet for
Yxy(45.6288, 0.3104, 0.3257)
contains.

Yxy(45.6036, 0.3103, 0.3264)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Yxy(45.6036, 0.3103, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	B3B4B6
RGB	179, 180, 182
RGB Percent	70%, 71%, 71%
CMY	0.2980, 0.2941, 0.2864
CMYK	0.02, 0.01, 0.00, 0.29
HSL	220°, 2%, 71%
HSV	220°, 2%, 71%
XYZ	43.3542, 45.6036, 50.7592
YIQ	179.9290, -1.2380, 0.4100

Conversions

Conversions Part 2

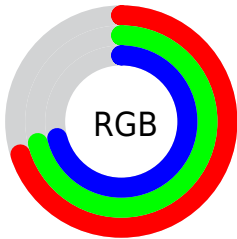
Format	Color
RYB	179, 180, 182
Decimal	11777206
CIELab	73.29, 0.03, -1.13
CIELCh	73, 1.133, 271.392
Yxy	45.6036, 0.3103, 0.3264
Android (android.graphics.Color)	4289967286 (0xFFB3B4B6)
YUV	179.9290, 1.0210, -0.8147
Hunter-Lab	67.5304, -3.5823, 2.7061

Details

The Yxy color `45.6036, 0.3103, 0.3264` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `46.2360, 0.3151, 0.3316`, and the grayscale version is `45.5974, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.8261, 0.3108, 0.3270`, and `21.1993, 0.3094, 0.3254` is the 20% darker color. If you saturate the color by 10%, you get `38.9100, 0.2948, 0.3093`, and if you desaturate by 10%, it is `53.0126, 0.3246, 0.3415`.

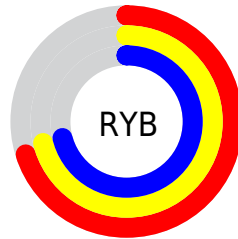
Distribution



Red (70%)

Green (71%)

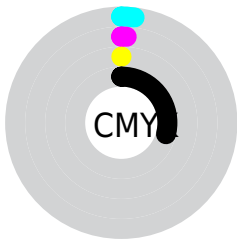
Blue (71%)



Red (70%)

Yellow (71%)

Blue (71%)

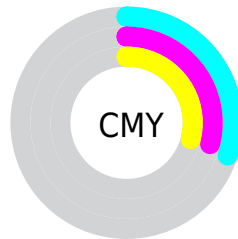


Cyan (2%)

Magenta (1%)

Yellow (0%)

Black (29%)



Cyan (30%)

Magenta (29%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6036, 0.3103, 0.3264 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 45.6036, 0.3103, 0.3264 by changing the saturation by 10% instead.

■ 45.6036, 0.3103,
0.3264

■ 45.6036, 0.3103,
0.3264

369.2127, 0.3115,
0.3277

■ 31.9331, 0.3100,
0.3261

■ 83.6254, 0.3107,
0.3269

■ 21.3104, 0.3096,
0.3256

108.7456, 0.3109,
0.3271

■ 13.3511, 0.3091,
0.3251

138.4511, 0.3111,
0.3272

■ 7.6708, 0.3083,
0.3243

173.1263, 0.3112,
0.3273

■ 3.8850, 0.3072,
0.3231

213.1557, 0.3113,
0.3275

■ 1.6094, 0.3053,
0.3210

258.9237, 0.3114,

■ 0.3640, 0.2922,

0.3276

0.3069

310.8145, 0.3114,
0.3276

0.0000, 0.0000,
0.0000

45.6036, 0.3103,
0.3264

45.6036, 0.3103,
0.3264

38.9100, 0.2948,
0.3093

53.0126, 0.3246,
0.3415

32.9041, 0.2783,
0.2902

61.1521, 0.3378,
0.3548

27.5647, 0.2611,
0.2690

70.0440, 0.3498,
0.3664

22.8673, 0.2433,
0.2460

79.7077, 0.3607,
0.3766

18.7860, 0.2257,
0.2216

87.2056, 0.3599,
0.3876

■ 15.2926, 0.2088,
0.1963

■ 94.5755, 0.3568,
0.3986

■ 12.3569, 0.1934,
0.1711

■ 96.1564, 0.3562,
0.4008

■ 9.9450, 0.1803,
0.1470

■ 8.0186, 0.1701,
0.1250

Harmonies

Analogous

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



45.6036, 0.3096, 0.3272



45.6036, 0.3103, 0.3264



45.6036, 0.3116, 0.3263

Triad

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



45.6036, 0.3103, 0.3264



45.6036, 0.3156, 0.3296



45.6036, 0.3122, 0.3311

Complementary

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



45.6036, 0.3103, 0.3264



46.2360, 0.3151, 0.3316

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.



45.6036, 0.3138, 0.3317



45.6036, 0.3103, 0.3264



45.6036, 0.3158, 0.3309

Square

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



45.6036, 0.3103, 0.3264



45.6036, 0.3147, 0.3282



45.6036, 0.3152, 0.3316



45.6036, 0.3108, 0.3299

Rectangle

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



45.6036, 0.3103, 0.3264



45.6036, 0.3127, 0.3267



45.6036, 0.3152, 0.3316



45.6036, 0.3128, 0.3314

Sweetspot

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



45.6056, 0.3103, 0.3264



84.8088, 0.3127, 0.3290



46.3640, 0.3110, 0.3304



18.7317, 0.3127, 0.3290



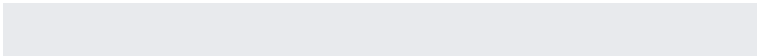
93.3107, 0.3127, 0.3290

Same Dimension

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



45.6056, 0.3103, 0.3264



82.1931, 0.3097, 0.3258



45.2576, 0.3107, 0.3251



10.3518, 0.3099, 0.3260



4.8645, 0.1641, 0.1109



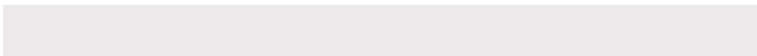
0.2887, 0.1794, 0.1657

Inverse Universe

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



45.4810, 0.3145, 0.3277



81.9135, 0.3149, 0.3274



46.5887, 0.3147, 0.3329



10.3194, 0.3147, 0.3275



7.2734, 0.5598, 0.2857



0.2682, 0.4860, 0.2451

Previews

White Background



This preview shows how the Yxy color 45.6036, 0.3103, 0.3264 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 45.6036, 0.3103, 0.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

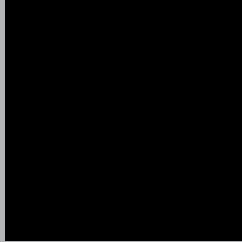
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

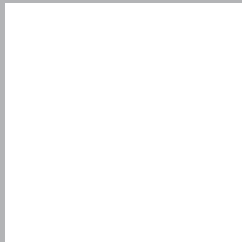
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6036, 0.3103, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 45.6036, 0.3103, 0.3264.

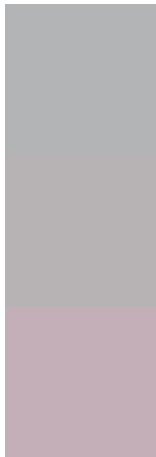


This preview shows how white text looks on a background with the Yxy color 45.6036, 0.3103, 0.3264.

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

45.6036, 0.3103, 0.3264

Protanopia

45.6437, 0.3146, 0.3264

Deuteranopia

45.4268, 0.3248, 0.3177



Tritanopia

45.4703, 0.3042, 0.3109

Trichromacy



Original Color

45.6036, 0.3103, 0.3264

Protanomaly

45.5215, 0.3137, 0.3264

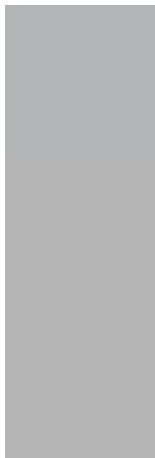
Deuteranomaly

45.4167, 0.3193, 0.3201

Tritanomaly

45.5743, 0.3064, 0.3173

Monochromacy



Original Color

45.6036, 0.3103, 0.3264

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.6820, 0.3119, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6036, 0.3103, 0.3264 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(179, 180, 182)` looks like.

```
.text, #text, p{  
    color:rgb(179, 180, 182)  
}
```

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(179, 180, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 180, 182) }
```

Border

The CSS property to change the border of an element to Yxy 45.6036, 0.3103, 0.3264 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(179, 180, 182) }
```

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

```
.border{ border-color:rgb(179, 180, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 180, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 180, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 180, 182);  
box-shadow:4px 4px 4px 4px rgb(179, 180,  
182) }
```

Background

The CSS property to change the background color of an element to Yxy 45.6036, 0.3103, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 180, 182) }
```

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

```
.background{ background-color: rgb(179,  
180, 182) }
```

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