

Converting Colors

$Y_{xy}(12.2769, 0.5044, 0.2781)$

Have a look what the booklet for
Yxy(12.2769, 0.5044, 0.2781)
contains.

Yxy(12.2775, 0.5046, 0.2782)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.2775, 0.5046, 0.2782)

Conversions

Conversions Part 1

Format	Color
Hex	B92554
RGB	185, 37, 84
RGB Percent	73%, 15%, 33%
CMY	0.2745, 0.8548, 0.6706
CMYK	0.00, 0.80, 0.55, 0.27
HSL	341°, 67%, 44%
HSV	341°, 80%, 73%
XYZ	22.2690, 12.2775, 9.5855
YIQ	86.6100, 73.1210, 45.9930

Conversions

Conversions Part 2

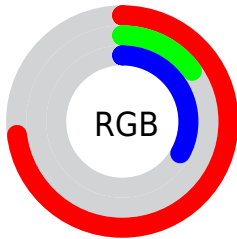
Format	Color
RYB	185, 37, 84
Decimal	12133716
CIELab	41.65, 59.73, 10.43
CIElCh	42, 60.637, 9.907
Yxy	12.2775, 0.5046, 0.2782
Android (android.graphics.Color)	4290323796 (0xFFB92554)
YUV	86.6100, -1.2867, 86.2880
Hunter-Lab	35.0393, 52.1258, 8.3079

Details

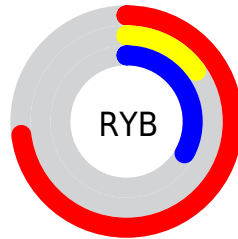
The Yxy color **12.2775, 0.5046, 0.2782** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **36.9249, 0.2533, 0.4121**, and the grayscale version is **9.4359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0217, 0.4562, 0.2939**, and **4.5132, 0.5607, 0.2863** is the 20% darker color. If you saturate the color by 10%, you get **11.2232, 0.5390, 0.2829**, and if you desaturate by 10%, it is **13.9518, 0.4692, 0.2781**.

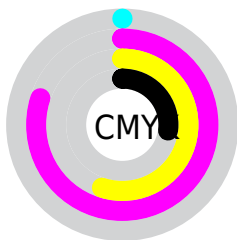
Distribution



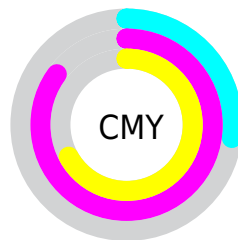
- Red (73%)
- Green (15%)
- Blue (33%)



- Red (73%)
- Yellow (15%)
- Blue (33%)



- Cyan (0%)
- Magenta (80%)
- Yellow (55%)
- Black (27%)




- Cyan (27%)
- Magenta (85%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2775, 0.5046, 0.2782 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 12.2775, 0.5046, 0.2782 by changing the saturation by 10% instead.


 12.2775, 0.5046,
0.2782


 12.2775, 0.5046,
0.2782


206.2339, 0.3882,
0.3121

 6.9330, 0.5424,
0.2653


 29.9995, 0.4563,
0.2933


 3.4202, 0.5968,
0.2453

 43.1458, 0.4401,
0.2981


 1.3548, 0.6821,
0.2122

 59.6614, 0.4271,
0.3018

 0.1831, 0.9123,
0.0877

 79.9308, 0.4164,
0.3047

 0.0000, 1.0000,
0.0000

 104.3383, 0.4076,
0.3071

 0.0000, 0.0000,
0.0000

 133.2684, 0.4001,

0.3090

167.1055, 0.3937,
0.3107

■ 12.2775, 0.5046,
0.2782

■ 12.2775, 0.5046,
0.2782

■ 11.2232, 0.5390,
0.2829

■ 13.9518, 0.4692,
0.2781

■ 10.6274, 0.5699,
0.2913

■ 16.3232, 0.4356,
0.2818

■ 10.6269, 0.5700,
0.2913

■ 19.4600, 0.4055,
0.2882

■ 23.4215, 0.3795,
0.2960

■ 28.2611, 0.3577,
0.3045

■ 34.0278, 0.3396,
0.3130

■ 40.7669, 0.3248,
0.3212

■ 48.5207, 0.3127,
0.3290

■ 57.3289, 0.3028,
0.3362

Harmonies

Analogous

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



12.2775, 0.3762, 0.2131



12.2775, 0.5046, 0.2782



12.2775, 0.5608, 0.3526

Triad

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



12.2775, 0.5046, 0.2782



12.2775, 0.3289, 0.5766



12.2775, 0.1225, 0.1676

Complementary

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



12.2775, 0.5046, 0.2782



36.9249, 0.2533, 0.4121

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.



12.2775, 0.1149, 0.2251



12.2775, 0.5046, 0.2782



12.2775, 0.2206, 0.5068

Square

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



12.2775, 0.5046, 0.2782



12.2775, 0.4388, 0.5251



12.2775, 0.1444, 0.3466



12.2775, 0.1643, 0.1528

Rectangle

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



12.2775, 0.5046, 0.2782



12.2775, 0.5466, 0.4068



12.2775, 0.1444, 0.3466



12.2775, 0.1163, 0.1810

Sweetspot

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



12.2782, 0.5046, 0.2782



56.1900, 0.3471, 0.3092



10.0334, 0.2556, 0.1314



11.3410, 0.3537, 0.3062



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.



12.2782, 0.5046, 0.2782



19.3003, 0.5624, 0.2896



13.8580, 0.5628, 0.3538



9.0580, 0.3239, 0.3218



7.2482, 0.5666, 0.2895



0.2671, 0.4919, 0.2483

Inverse Universe

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



12.2782, 0.5046, 0.2782



19.3003, 0.5624, 0.2896



29.1534, 0.2179, 0.2868



9.0580, 0.3239, 0.3218



7.2482, 0.5666, 0.2895



0.2671, 0.4919, 0.2483

Previews

White Background



This preview shows how the Yxy color 12.2775, 0.5046, 0.2782 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 12.2775, 0.5046, 0.2782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

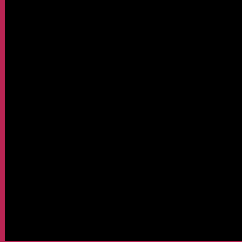
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2775, 0.5046, 0.2782

Background



This preview shows how black text looks on a background with the Yxy color 12.2775, 0.5046, 0.2782.



This preview shows how white text looks on a background with the Yxy color 12.2775, 0.5046, 0.2782.

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

12.2775, 0.5046, 0.2782

Protanopia

12.6483, 0.2877, 0.2939

Deuteranopia

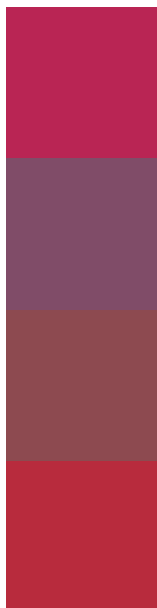
12.4332, 0.3735, 0.3676



Tritanopia

12.2347, 0.5637, 0.3278

Trichromacy



Original Color

12.2775, 0.5046, 0.2782

Protanomaly

10.7576, 0.3570, 0.2746

Deuteranomaly

11.1395, 0.4255, 0.3185

Tritanomaly

12.2550, 0.5453, 0.3112

Monochromacy



Original Color

12.2775, 0.5046, 0.2782

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.1391, 0.3857, 0.2943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2775, 0.5046, 0.2782 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(185, 37, 84)` looks like.

```
.text, #text, p{  
  color:rgb(185, 37, 84)  
}
```

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(185, 37, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 37, 84) }
```

Border

The CSS property to change the border of an element to Yxy 12.2775, 0.5046, 0.2782 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(185, 37, 84) }
```

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

```
.border{ border-color:rgb(185, 37, 84) }
```

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

Here you see how a box with a 4 pixel rgb(185, 37, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 37, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 37, 84);  
box-shadow:4px 4px 4px 4px rgb(185, 37,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2775, 0.5046, 0.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 37, 84) }
```

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

```
.background{ background-color: rgb(185, 37,  
84) }
```

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