

Converting Colors

$Y_{xy}(12.4717, 0.5012, 0.2761)$

Have a look what the booklet for
Yxy(12.4717, 0.5012, 0.2761)
contains.

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Color

Yxy(12.4341, 0.5016, 0.2761)

Conversions

Conversions Part 1

Format	Color
Hex	BA2556
RGB	186, 37, 86
RGB Percent	73%, 15%, 34%
CMY	0.2706, 0.8548, 0.6628
CMYK	0.00, 0.80, 0.54, 0.27
HSL	340°, 67%, 44%
HSV	340°, 80%, 73%
XYZ	22.5894, 12.4341, 10.0112
YIQ	87.1370, 73.0750, 46.8270

Conversions

Conversions Part 2

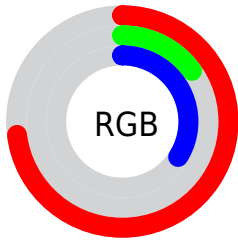
Format	Color
R_{YB}	186, 37, 86
Decimal	12199254
CIE _{Lab}	41.90, 60.15, 9.55
CIE _{LCh}	42, 60.907, 9.026
Yxy	12.4341, 0.5016, 0.2761
Android (android.graphics.Color)	4290389334 (0xFFBA2556)
YUV	87.1370, -0.5605, 86.7029
Hunter-Lab	35.2620, 52.6416, 7.8504

Details

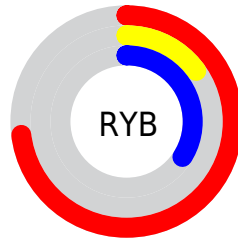
The Yxy color **12.4341, 0.5016, 0.2761** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **37.3158, 0.2542, 0.4154**, and the grayscale version is **9.5541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2588, 0.4545, 0.2920**, and **4.5957, 0.5589, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **11.3726, 0.5355, 0.2808**, and if you desaturate by 10%, it is **14.1214, 0.4668, 0.2762**.

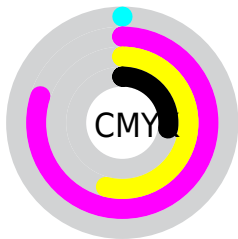
Distribution



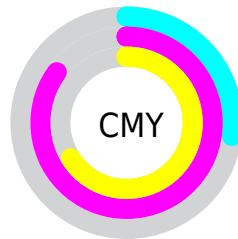
- Red (73%)
- Green (15%)
- Blue (34%)



- Red (73%)
- Yellow (15%)
- Blue (34%)



- Cyan (0%)
- Magenta (80%)
- Yellow (54%)
- Black (27%)




- Cyan (27%)
- Magenta (85%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4341, 0.5016, 0.2761 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 12.4341, 0.5016, 0.2761 by changing the saturation by 10% instead.


 12.4341, 0.5016,
0.2761


 12.4341, 0.5016,
0.2761


207.2583, 0.3873,
0.3109


 7.0400, 0.5387,
0.2632


 30.2833, 0.4542,
0.2915

 3.4872, 0.5920,
0.2432

 43.5072, 0.4383,
0.2963


 1.3910, 0.6742,
0.2101

 60.1099, 0.4255,
0.3001

 0.2101, 0.9035,
0.0965

 80.4757, 0.4150,
0.3032

 0.0000, 1.0000,
0.0000

 104.9891, 0.4063,
0.3056

 0.0000, 0.0000,
0.0000

 134.0344, 0.3990,

0.3077

167.9960, 0.3927,
0.3094

■ 12.4341, 0.5016,
0.2761

■ 12.4341, 0.5016,
0.2761

■ 11.3726, 0.5355,
0.2808

■ 14.1214, 0.4668,
0.2762

■ 10.7766, 0.5659,
0.2891

■ 16.5129, 0.4338,
0.2801

■ 19.6777, 0.4042,
0.2866

■ 23.6758, 0.3787,
0.2947

■ 28.5614, 0.3572,
0.3035

■ 34.3841, 0.3394,
0.3123

■ 41.1898, 0.3248,
0.3209

■ 49.0212, 0.3128,
0.3289

■ 57.9187, 0.3030,
0.3364

Harmonies

Analogous

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



12.4341, 0.3721, 0.2115



12.4341, 0.5016, 0.2761



12.4341, 0.5606, 0.3503

Triad

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



12.4341, 0.5016, 0.2761



12.4341, 0.3322, 0.5765



12.4341, 0.1218, 0.1685

Complementary

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



12.4341, 0.5016, 0.2761



37.3158, 0.2542, 0.4154

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.



12.4341, 0.1151, 0.2276



12.4341, 0.5016, 0.2761



12.4341, 0.2235, 0.5109

Square

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



12.4341, 0.5016, 0.2761



12.4341, 0.4419, 0.5226



12.4341, 0.1459, 0.3511



12.4341, 0.1625, 0.1528

Rectangle

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



12.4341, 0.5016, 0.2761



12.4341, 0.5480, 0.4043



12.4341, 0.1459, 0.3511



12.4341, 0.1159, 0.1824

Sweetspot

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



12.4348, 0.5016, 0.2761



57.5705, 0.3466, 0.3085



10.1323, 0.2555, 0.1312



11.8604, 0.3531, 0.3054



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



12.4348, 0.5016, 0.2761



19.8058, 0.5585, 0.2874



14.0015, 0.5634, 0.3538



9.0596, 0.3238, 0.3215



7.2632, 0.5625, 0.2872



0.2678, 0.4883, 0.2464

Inverse Universe

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



12.4348, 0.5016, 0.2761



19.8058, 0.5585, 0.2874



29.4864, 0.2178, 0.2867



9.0596, 0.3238, 0.3215



7.2632, 0.5625, 0.2872



0.2678, 0.4883, 0.2464

Previews

White Background



This preview shows how the Yxy color 12.4341, 0.5016, 0.2761 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 12.4341, 0.5016, 0.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

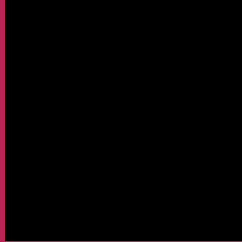
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.4341, 0.5016, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 12.4341, 0.5016, 0.2761.



This preview shows how white text looks on a background with the Yxy color 12.4341, 0.5016, 0.2761.

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

12.4341, 0.5016, 0.2761

Protanopia

12.7185, 0.2840, 0.2877

Deuteranopia

12.7122, 0.3714, 0.3652



Tritanopia

12.4451, 0.5620, 0.3278

Trichromacy



Original Color

12.4341, 0.5016, 0.2761

Protanomaly

10.8766, 0.3551, 0.2712

Deuteranomaly

11.3921, 0.4225, 0.3167

Tritanomaly

12.3898, 0.5444, 0.3103

Monochromacy



Original Color

12.4341, 0.5016, 0.2761

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.1553, 0.3836, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4341, 0.5016, 0.2761 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(186, 37, 86)` looks like.

```
.text, #text, p{  
    color:rgb(186, 37, 86)  
}
```

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(186, 37, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 37, 86) }
```

Border

The CSS property to change the border of an element to Yxy 12.4341, 0.5016, 0.2761 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(186, 37, 86) }
```

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

```
.border{ border-color:rgb(186, 37, 86) }
```

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

Here you see how a box with a 4 pixel rgb(186, 37, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 37, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 37, 86);  
box-shadow:4px 4px 4px 4px rgb(186, 37,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4341, 0.5016, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 37, 86) }
```

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

```
.background{ background-color: rgb(186, 37,  
86) }
```

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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