

Converting Colors

$Y_{xy}(16.0258, 0.4998, 0.2836)$

Have a look what the booklet for
Yxy(16.0258, 0.4998, 0.2836)
contains.

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Color

Yxy(16.0685, 0.5006, 0.2839)

Conversions

Conversions Part 1

Format	Color
Hex	CD325E
RGB	205, 50, 94
RGB Percent	80%, 20%, 37%
CMY	0.1962, 0.8037, 0.6314
CMYK	0.00, 0.76, 0.54, 0.20
HSL	343°, 61%, 50%
HSV	343°, 76%, 80%
XYZ	28.3335, 16.0685, 12.1971
YIQ	101.3610, 78.2560, 46.5440

Conversions

Conversions Part 2

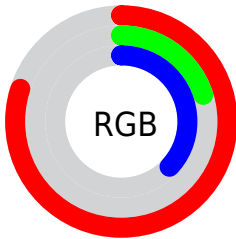
Format	Color
R_{YB}	205, 50, 94
Decimal	13447774
CIE _{Lab}	47.06, 62.18, 12.32
CIE _{LCh}	47, 63.389, 11.207
Yxy	16.0685, 0.5006, 0.2839
Android (android.graphics.Color)	4291637854 (0xFFCD325E)
YUV	101.3610, -3.6290, 90.8914
Hunter-Lab	40.0855, 56.0189, 10.0193

Details

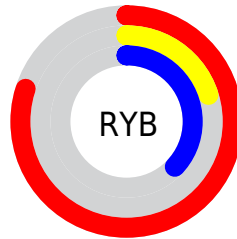
The Yxy color **16.0685, 0.5006, 0.2839** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted red. A complement of this color would be **46.9062, 0.2513, 0.3985**, and the grayscale version is **13.1118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4255, 0.4448, 0.2953**, and **6.1510, 0.5565, 0.2839** is the 20% darker color. If you saturate the color by 10%, you get **14.4511, 0.5375, 0.2872**, and if you desaturate by 10%, it is **18.5221, 0.4635, 0.2848**.

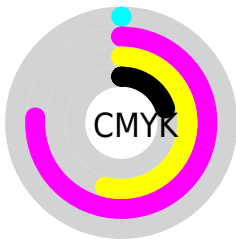
Distribution



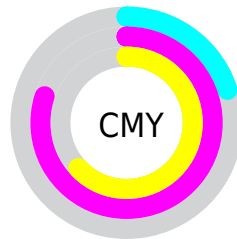
- Red (80%)
- Green (20%)
- Blue (37%)



- Red (80%)
- Yellow (20%)
- Blue (37%)



- Cyan (0%)
- Magenta (76%)
- Yellow (54%)
- Black (20%)




- Cyan (20%)
- Magenta (80%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0685, 0.5006, 0.2839 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 16.0685, 0.5006, 0.2839 by changing the saturation by 10% instead.


 16.0685, 0.5006,
0.2839


 16.0685, 0.5006,
0.2839


229.7456, 0.3905,
0.3136


 9.5726, 0.5341,
0.2731


 36.7171, 0.4563,
0.2969


 5.1165, 0.5809,
0.2569

 51.6386, 0.4409,
0.3011

 2.3158, 0.6488,
0.2304

 70.1374, 0.4285,
0.3043

 0.7821, 0.8040,
0.1960

 92.5980, 0.4183,
0.3070

 0.0000, 1.0000,
0.0000

 119.4047, 0.4097,
0.3091

 0.0000, 0.0000,
0.0000

150.9420, 0.4023,

0.3108

187.5941, 0.3960,
0.3123

■ 16.0685, 0.5006,
0.2839

■ 16.0685, 0.5006,
0.2839

■ 14.4511, 0.5375,
0.2872

■ 18.5221, 0.4635,
0.2848

■ 13.5500, 0.5706,
0.2949

■ 21.9047, 0.4290,
0.2890

■ 13.2832, 0.5837,
0.2989

■ 26.2996, 0.3986,
0.2953

■ 31.7799, 0.3728,
0.3026

■ 38.4122, 0.3514,
0.3103

■ 46.2576, 0.3338,
0.3179

■ 55.3726, 0.3195,
0.3252

■ 65.8106, 0.3079,
0.3319

■ 77.6215, 0.2984,
0.3382

Harmonies

Analogous

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



16.0685, 0.3797, 0.2196



16.0685, 0.5006, 0.2839



16.0685, 0.5517, 0.3574

Triad

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



16.0685, 0.5006, 0.2839



16.0685, 0.3258, 0.5653



16.0685, 0.1292, 0.1718

Complementary

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



16.0685, 0.5006, 0.2839



46.9062, 0.2513, 0.3985

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.



16.0685, 0.1206, 0.2263



16.0685, 0.5006, 0.2839



16.0685, 0.2212, 0.4919

Square

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



16.0685, 0.5006, 0.2839



16.0685, 0.4324, 0.5229



16.0685, 0.1484, 0.3403



16.0685, 0.1719, 0.1584

Rectangle

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



16.0685, 0.5006, 0.2839



16.0685, 0.5371, 0.4106



16.0685, 0.1484, 0.3403



16.0685, 0.1227, 0.1845

Sweetspot

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



16.0694, 0.5006, 0.2839



65.7014, 0.3470, 0.3121



14.0118, 0.2651, 0.1409



13.1281, 0.3541, 0.3092



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.



16.0694, 0.5006, 0.2839



22.5883, 0.5599, 0.2918



19.0966, 0.5415, 0.3604



11.2651, 0.3246, 0.3224



8.2854, 0.5800, 0.2969



0.4407, 0.5229, 0.2654

Inverse Universe

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



16.0694, 0.5006, 0.2839



22.5883, 0.5599, 0.2918



35.3553, 0.2181, 0.2807



11.2651, 0.3246, 0.3224



8.2854, 0.5800, 0.2969



0.4407, 0.5229, 0.2654

Previews

White Background



This preview shows how the Yxy color 16.0685, 0.5006, 0.2839 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 16.0685, 0.5006, 0.2839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

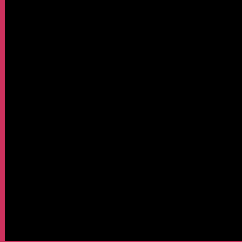
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0685, 0.5006, 0.2839

Background



This preview shows how black text looks on a background with the Yxy color 16.0685, 0.5006, 0.2839.



This preview shows how white text looks on a background with the Yxy color 16.0685, 0.5006, 0.2839.

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

16.0685, 0.5006, 0.2839

Protanopia

16.4485, 0.2960, 0.3033

Deuteranopia

16.3025, 0.3768, 0.3710



Tritanopia

16.0489, 0.5506, 0.3278

Trichromacy



Original Color

16.0685, 0.5006, 0.2839

Protanomaly

14.3794, 0.3629, 0.2853

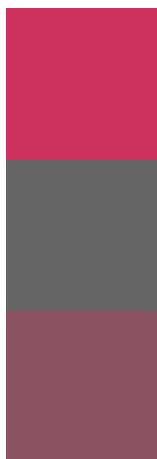
Deuteranomaly

14.9086, 0.4267, 0.3261

Tritanomaly

16.0376, 0.5353, 0.3129

Monochromacy



Original Color

16.0685, 0.5006, 0.2839

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.4054, 0.3834, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0685, 0.5006, 0.2839 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(205, 50, 94)` looks like.

```
.text, #text, p{  
    color:rgb(205, 50, 94)  
}
```

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(205, 50, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 50, 94) }
```

Border

The CSS property to change the border of an element to Yxy 16.0685, 0.5006, 0.2839 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(205, 50, 94) }
```

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

```
.border{ border-color:rgb(205, 50, 94) }
```

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

Here you see how a box with a 4 pixel rgb(205, 50, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 50, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 50, 94);  
box-shadow:4px 4px 4px 4px rgb(205, 50,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0685, 0.5006, 0.2839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 50, 94) }
```

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

```
.background{ background-color: rgb(205, 50,  
94) }
```

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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