

Converting Colors

$Y_{xy}(16.3090, 0.5777, 0.3175)$

Have a look what the booklet for
Yxy(16.3090, 0.5777, 0.3175)
contains.

Yxy(16.3355, 0.5787, 0.3177)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3355, 0.5787, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	D82738
RGB	216, 39, 56
RGB Percent	85%, 15%, 22%
CMY	0.1530, 0.8469, 0.7804
CMYK	0.00, 0.82, 0.74, 0.15
HSL	354°, 69%, 50%
HSV	354°, 82%, 85%
XYZ	29.7556, 16.3355, 5.3269
YIQ	93.8610, 100.0350, 42.8110

Conversions

Conversions Part 2

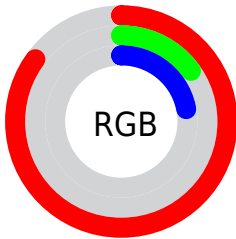
Format	Color
R _Y B	216, 39, 56
Decimal	14165816
CIE Lab	47.41, 66.18, 36.18
CIE LCh	47, 75.425, 28.667
Yxy	16.3355, 0.5787, 0.3177
Android (android.graphics.Color)	4292355896 (0xFFD82738)
YUV	93.8610, -18.6655, 107.1159
Hunter-Lab	40.4172, 60.6836, 20.4777

Details

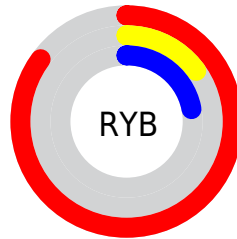
The Yxy color **16.3355, 0.5787, 0.3177** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **53.6619, 0.2351, 0.3533**, and the grayscale version is **11.1916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9398, 0.5008, 0.3296**, and **6.7071, 0.6276, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **15.1421, 0.6125, 0.3215**, and if you desaturate by 10%, it is **18.4118, 0.5358, 0.3157**.

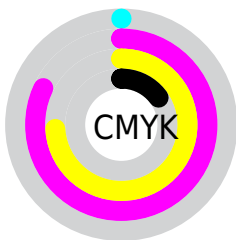
Distribution



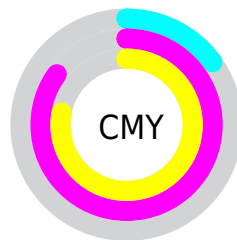
- Red (85%)
- Green (15%)
- Blue (22%)



- Red (85%)
- Yellow (15%)
- Blue (22%)



- Cyan (0%)
- Magenta (82%)
- Yellow (74%)
- Black (15%)





- Cyan (15%)
- Magenta (85%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3355, 0.5787, 0.3177 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 16.3355, 0.5787, 0.3177 by changing the saturation by 10% instead.


 16.3355, 0.5787,
0.3177


 16.3355, 0.5787,
0.3177


231.3134, 0.4267,
0.3372


 9.7619, 0.6199,
0.3056


 37.1797, 0.5200,
0.3296


 5.2414, 0.6726,
0.2853

 52.2190, 0.4988,
0.3325


 2.3896, 0.7472,
0.2528

 70.8490, 0.4813,
0.3343

 0.8205, 0.8121,
0.1879

 93.4542, 0.4667,
0.3355

 0.0000, 1.0000,
0.0000

 120.4188, 0.4544,
0.3363

 0.0000, 0.0000,
0.0000

 152.1272, 0.4438,

0.3368

188.9640, 0.4347,
0.3370

■ 16.3355, 0.5787,
0.3177

■ 16.3355, 0.5787,
0.3177

■ 15.1421, 0.6125,
0.3215

■ 18.4118, 0.5358,
0.3157


■ 14.6500, 0.6305,
0.3247


■ 21.4955, 0.4904,
0.3154

■ 25.6940, 0.4475,
0.3166


■ 31.1003, 0.4100,
0.3186

■ 37.7977, 0.3785,
0.3211

 45.8620, 0.3528,
0.3237

 55.3631, 0.3321,
0.3262

 66.3664, 0.3155,
0.3286

 78.9329, 0.3022,
0.3308

Harmonies

Analogous

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



16.3355, 0.4796, 0.2429



16.3355, 0.5787, 0.3177



16.3355, 0.5692, 0.4005

Triad

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



16.3355, 0.5787, 0.3177



16.3355, 0.2479, 0.5843



16.3355, 0.1298, 0.1392

Complementary

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



16.3355, 0.5787, 0.3177



53.6619, 0.2351, 0.3533

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.



16.3355, 0.1001, 0.1676



16.3355, 0.5787, 0.3177



16.3355, 0.1505, 0.4170

Square

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



16.3355, 0.5787, 0.3177



16.3355, 0.3678, 0.5925



16.3355, 0.1039, 0.2512



16.3355, 0.2005, 0.1453

Rectangle

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



16.3355, 0.5787, 0.3177



16.3355, 0.5187, 0.4658



16.3355, 0.1039, 0.2512



16.3355, 0.1160, 0.1442

Sweetspot

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



16.3365, 0.5787, 0.3177



62.6785, 0.3607, 0.3228



18.4568, 0.3002, 0.1519



12.5258, 0.3699, 0.3219



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.



16.3365, 0.5787, 0.3177



21.4597, 0.6281, 0.3247



25.8571, 0.5251, 0.3965



12.4400, 0.3276, 0.3268



8.6796, 0.6283, 0.3235



0.5303, 0.5971, 0.3063

Inverse Universe

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



16.3365, 0.5787, 0.3177



21.4597, 0.6281, 0.3247



25.7045, 0.1986, 0.2182



12.4400, 0.3276, 0.3268



8.6796, 0.6283, 0.3235



0.5303, 0.5971, 0.3063

Previews

White Background



This preview shows how the Yxy color 16.3355, 0.5787, 0.3177 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 16.3355, 0.5787, 0.3177 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 16.3355, 0.5787, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 16.3355, 0.5787, 0.3177.



This preview shows how white text looks on a background with the Yxy color 16.3355, 0.5787, 0.3177.

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

16.3355, 0.5787, 0.3177

Protanopia

16.5270, 0.3673, 0.3947

Deuteranopia

16.5773, 0.4404, 0.4340



Tritanopia

16.4150, 0.5949, 0.3305

Trichromacy



Original Color

16.3355, 0.5787, 0.3177

Protanomaly

14.1784, 0.4533, 0.3536

Deuteranomaly

14.7331, 0.5045, 0.3755

Tritanomaly

16.3821, 0.5901, 0.3265

Monochromacy



Original Color

16.3355, 0.5787, 0.3177

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.8800, 0.4205, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3355, 0.5787, 0.3177 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(216, 39, 56)` looks like.

```
.text, #text, p{  
    color:rgb(216, 39, 56)  
}
```

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(216, 39, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 39, 56) }
```

Border

The CSS property to change the border of an element to Yxy 16.3355, 0.5787, 0.3177 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(216, 39, 56) }
```

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

```
.border{ border-color:rgb(216, 39, 56) }
```

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

Here you see how a box with a 4 pixel rgb(216, 39, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 39, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 39, 56);  
box-shadow:4px 4px 4px 4px rgb(216, 39,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3355, 0.5787, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 39, 56) }
```

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

```
.background{ background-color: rgb(216, 39,  
56) }
```

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