

Converting Colors

$Y_{xy}(16.5337, 0.5445, 0.3277)$

Have a look what the booklet for
Yxy(16.5337, 0.5445, 0.3277)
contains.

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Color

Yxy(16.5337, 0.5445, 0.3277)

Conversions

Conversions Part 1	
Format	Color
Hex	CC3D3F
RGB	204, 61, 63
RGB Percent	80%, 24%, 25%
CMY	0.1999, 0.7609, 0.7529
CMYK	0.00, 0.70, 0.69, 0.20
HSL	359°, 58%, 52%
HSV	359°, 70%, 80%
XYZ	27.4721, 16.5337, 6.4480
YIQ	103.9850, 84.5860, 30.9380

Conversions

Conversions Part 2

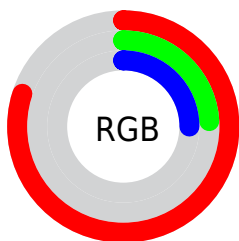
Format	Color
RYB	204, 61, 63
Decimal	13385023
CIELab	47.67, 56.16, 31.81
CIELCh	48, 64.547, 29.531
Yxy	16.5337, 0.5445, 0.3277
Android (android.graphics.Color)	4291575103 (0xFFCC3D3F)
YUV	103.9850, -20.2056, 87.7132
Hunter-Lab	40.6617, 49.4414, 19.0611

Details

The Yxy color **16.5337, 0.5445, 0.3277** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **48.4500, 0.2340, 0.3317**, and the grayscale version is **13.8760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1303, 0.4818, 0.3353**, and **5.8013, 0.6175, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **14.5708, 0.5883, 0.3282**, and if you desaturate by 10%, it is **19.4086, 0.4969, 0.3275**.

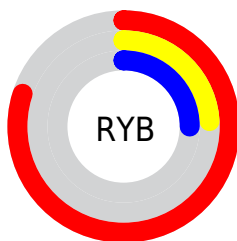
Distribution



Red (80%)

Green (24%)

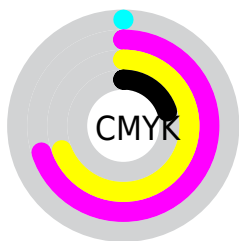
Blue (25%)



Red (80%)

Yellow (24%)

Blue (25%)

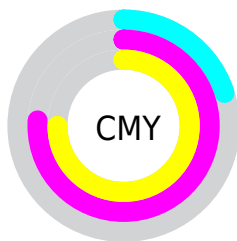


Cyan (0%)

Magenta (70%)

Yellow (69%)

Black (20%)



Cyan (20%)


Magenta (76%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5337, 0.5445, 0.3277 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 16.5337, 0.5445, 0.3277 by changing the saturation by 10% instead.


 16.5337, 0.5445,
0.3277


 16.5337, 0.5445,
0.3277

232.4707, 0.4106,
0.3384


 9.9026, 0.5825,
0.3193


 37.5223, 0.4919,
0.3352


 5.3344, 0.6323,
0.3039


 52.6486, 0.4732,
0.3369


 2.4448, 0.7172,
0.2828


 71.3753, 0.4580,
0.3378

 0.8488, 0.7800,
0.2200

 94.0870, 0.4452,
0.3383

 0.0000, 1.0000,
0.0000

 121.1680, 0.4345,
0.3385


 0.0000, 0.0000,
0.0000


 153.0027, 0.4254,


0.3386


189.9755, 0.4175,
0.3385


 16.5337, 0.5445,
0.3277

 16.5337, 0.5445,
0.3277


 14.5708, 0.5883,
0.3282

 19.4086, 0.4969,
0.3275

 13.4077, 0.6208,
0.3288


 23.2848, 0.4516,
0.3276

 12.8464, 0.6387,
0.3292


 28.2441, 0.4118,
0.3278

 34.3592, 0.3787,
0.3281

 41.6964, 0.3518,
0.3284

 50.3171, 0.3302,
0.3287

 60.2785, 0.3129,
0.3290

 71.6344, 0.2991,
0.3293

 84.4356, 0.2879,
0.3295

Harmonies

Analogous

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



16.5337, 0.4598, 0.2567



16.5337, 0.5445, 0.3277



16.5337, 0.5410, 0.4060

Triad

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



16.5337, 0.5445, 0.3277



16.5337, 0.2592, 0.5382



16.5337, 0.1499, 0.1586

Complementary

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



16.5337, 0.5445, 0.3277



48.4500, 0.2340, 0.3317

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.



16.5337, 0.1208, 0.1861



16.5337, 0.5445, 0.3277



16.5337, 0.1702, 0.4003

Square

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



16.5337, 0.5445, 0.3277



16.5337, 0.3682, 0.5607



16.5337, 0.1254, 0.2621



16.5337, 0.2172, 0.1644

Rectangle

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



16.5337, 0.5445, 0.3277



16.5337, 0.4991, 0.4631



16.5337, 0.1254, 0.2621



16.5337, 0.1364, 0.1636

Sweetspot

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



16.5347, 0.5445, 0.3277



67.5177, 0.3546, 0.3283



20.2018, 0.3171, 0.1740



13.6940, 0.3617, 0.3283



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.



16.5347, 0.5445, 0.3277



23.0127, 0.6063, 0.3285



29.1731, 0.4741, 0.4098



11.2162, 0.3288, 0.3287



8.0852, 0.6384, 0.3290



0.4180, 0.6325, 0.3258

Inverse Universe

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



16.5347, 0.5445, 0.3277



23.0127, 0.6063, 0.3285



22.6478, 0.2055, 0.2167



11.2162, 0.3288, 0.3287



8.0852, 0.6384, 0.3290



0.4180, 0.6325, 0.3258

Previews

White Background



This preview shows how the Yxy color 16.5337, 0.5445, 0.3277 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 16.5337, 0.5445, 0.3277 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 16.5337, 0.5445, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 16.5337, 0.5445, 0.3277.



This preview shows how white text looks on a background with the Yxy color 16.5337, 0.5445, 0.3277.

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

16.5337, 0.5445, 0.3277

Protanopia

16.7814, 0.3641, 0.3926

Deuteranopia

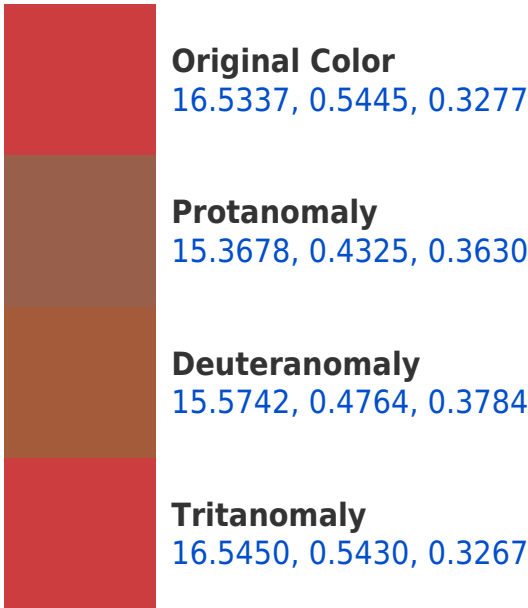
16.5764, 0.4284, 0.4211



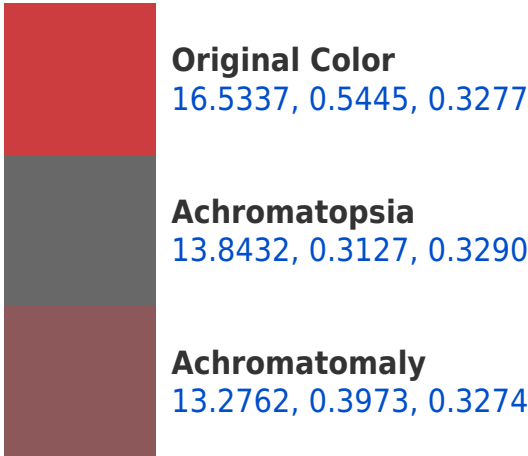
Tritanopia

16.5450, 0.5430, 0.3267

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5337, 0.5445, 0.3277 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(204, 61, 63) looks like.

```
.text, #text, p{  
    color:rgb(204, 61, 63)  
}
```

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(204, 61, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 61, 63) }
```

Border

The CSS property to change the border of an element to Yxy 16.5337, 0.5445, 0.3277 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(204, 61, 63) }
```

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

```
.border{ border-color:rgb(204, 61, 63) }
```

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

Here you see how a box with a 4 pixel rgb(204, 61, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 61, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 61, 63);  
box-shadow:4px 4px 4px 4px rgb(204, 61,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5337, 0.5445, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 61, 63) }
```

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

```
.background{ background-color: rgb(204, 61,  
63) }
```

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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double the colors in the color bucket, and more
awesome pro features!

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