

Converting Colors

$Yxy(16.6109, 0.5457, 0.3300)$

Have a look what the booklet for
Yxy(16.6109, 0.5457, 0.3300)
contains.

Yxy(16.6304, 0.5451, 0.3297)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.6304, 0.5451, 0.3297)

Conversions

Conversions Part 1

Format	Color
Hex	CC3E3E
RGB	204, 62, 62
RGB Percent	80%, 24%, 24%
CMY	0.2000, 0.7569, 0.7569
CMYK	0.00, 0.70, 0.70, 0.20
HSL	0°, 58%, 52%
HSV	0°, 70%, 80%
XYZ	27.4954, 16.6304, 6.3152
YIQ	104.4580, 84.6320, 30.1040

Conversions

Conversions Part 2

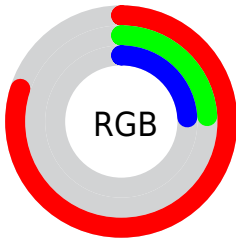
Format	Color
RYB	204, 62, 62
Decimal	13385278
CIELab	47.79, 55.72, 32.57
CIELCh	48, 64.540, 30.305
Yxy	16.6304, 0.5451, 0.3297
Android (android.graphics.Color)	4291575358 (0xFFCC3E3E)
YUV	104.4580, -20.9318, 87.2983
Hunter-Lab	40.7804, 48.9845, 19.3647

Details

The Yxy color **16.6304, 0.5451, 0.3297** 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 **48.5640, 0.2334, 0.3287**, and the grayscale version is **14.0127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3427, 0.4822, 0.3373**, and **5.7978, 0.6190, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **14.6306, 0.5890, 0.3298**, and if you desaturate by 10%, it is **19.5483, 0.4972, 0.3296**.

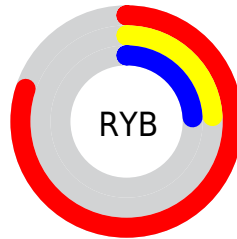
Distribution



Red (80%)

Green (24%)

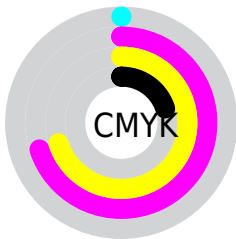
Blue (24%)



Red (80%)

Yellow (24%)

Blue (24%)

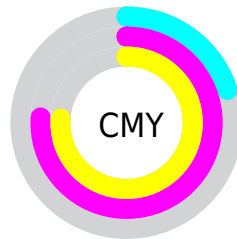


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (20%)



Cyan (20%)


Magenta (76%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6304, 0.5451, 0.3297 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 16.6304, 0.5451, 0.3297 by changing the saturation by 10% instead.


 16.6304, 0.5451,
0.3297

 16.6304, 0.5451,
0.3297


233.0334, 0.4111,
0.3395


 9.9713, 0.5830,
0.3214


 37.6892, 0.4925,
0.3370


 5.3800, 0.6324,
0.3062

 52.8577, 0.4739,
0.3384

 2.4719, 0.7153,
0.2847

 71.6315, 0.4586,
0.3393

 0.8625, 0.7775,
0.2225

 94.3950, 0.4458,
0.3396

 0.0000, 1.0000,
0.0000

 121.5325, 0.4351,
0.3398

 0.0000, 0.0000,
0.0000

 153.4285, 0.4259,

0.3398

190.4673, 0.4180,
0.3397

■ 16.6304, 0.5451,
0.3297

■ 16.6304, 0.5451,
0.3297

■ 14.6306, 0.5890,
0.3298

■ 19.5483, 0.4972,
0.3296

■ 13.4372, 0.6215,
0.3299

■ 23.4734, 0.4515,
0.3294

■ 12.8578, 0.6395,
0.3300

■ 28.4872, 0.4115,
0.3293

■ 12.8392, 0.6401,
0.3300

■ 34.6625, 0.3782,
0.3292

■ 42.0655, 0.3511,
0.3291

■ 50.7577, 0.3294,
0.3291

■ 60.7962, 0.3121,
0.3290

■ 72.2348, 0.2983,
0.3290

■ 85.1244, 0.2871,
0.3289

Harmonies

Analogous

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



16.6304, 0.4626, 0.2585



16.6304, 0.5451, 0.3297



16.6304, 0.5395, 0.4081

Triad

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



16.6304, 0.5451, 0.3297



16.6304, 0.2567, 0.5353



16.6304, 0.1513, 0.1586

Complementary

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



16.6304, 0.5451, 0.3297



48.5640, 0.2334, 0.3287

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.



16.6304, 0.1214, 0.1851



16.6304, 0.5451, 0.3297



16.6304, 0.1687, 0.3960

Square

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



16.6304, 0.5451, 0.3297



16.6304, 0.3654, 0.5612



16.6304, 0.1251, 0.2596



16.6304, 0.2197, 0.1652

Rectangle

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



16.6304, 0.5451, 0.3297



16.6304, 0.4968, 0.4653



16.6304, 0.1251, 0.2596



16.6304, 0.1375, 0.1633

Sweetspot

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



16.6314, 0.5451, 0.3297



67.4852, 0.3552, 0.3291



20.6417, 0.3199, 0.1760



13.6864, 0.3624, 0.3292



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.



16.6314, 0.5451, 0.3297



22.9928, 0.6087, 0.3299



29.9596, 0.4702, 0.4123



11.2139, 0.3290, 0.3291



8.0805, 0.6401, 0.3300



0.4170, 0.6400, 0.3300

Inverse Universe

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



48.5640, 0.2334, 0.3287



79.1882, 0.2271, 0.3287



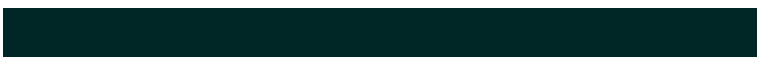
22.1570, 0.2051, 0.2136



12.7268, 0.2984, 0.3290



29.9172, 0.2246, 0.3287



1.5435, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 16.6304, 0.5451, 0.3297 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 16.6304, 0.5451, 0.3297 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 16.6304, 0.5451, 0.3297

Background



This preview shows how black text looks on a background with the Yxy color 16.6304, 0.5451, 0.3297.



This preview shows how white text looks on a background with the Yxy color 16.6304, 0.5451, 0.3297.

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

16.6304, 0.5451, 0.3297

Protanopia

16.8397, 0.3668, 0.3942

Deuteranopia

16.8663, 0.4298, 0.4235



Tritanopia

16.6643, 0.5407, 0.3267

Trichromacy



Original Color

16.6304, 0.5451, 0.3297

Protanomaly

15.3542, 0.4340, 0.3646

Deuteranomaly

15.8422, 0.4778, 0.3808

Tritanomaly

16.6528, 0.5422, 0.3277

Monochromacy



Original Color

16.6304, 0.5451, 0.3297

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.4415, 0.3966, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6304, 0.5451, 0.3297 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, 62, 62)` looks like.

```
.text, #text, p{  
    color:rgb(204, 62, 62)  
}
```

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, 62, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 62, 62) }
```

Border

The CSS property to change the border of an element to Yxy 16.6304, 0.5451, 0.3297 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, 62, 62) }
```

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

```
.border{ border-color:rgb(204, 62, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 62, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 62, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 62, 62);  
box-shadow:4px 4px 4px 4px rgb(204, 62,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6304, 0.5451, 0.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 62, 62) }
```

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

```
.background{ background-color: rgb(204, 62,  
62) }
```

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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