

Converting Colors

$Yxy(16.7241, 0.5994, 0.3304)$

Have a look what the booklet for
Yxy(16.7241, 0.5994, 0.3304)
contains.

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Color

Yxy(16.7241, 0.5994, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	DB2827
RGB	219, 40, 39
RGB Percent	86%, 16%, 15%
CMY	0.1412, 0.8431, 0.8468
CMYK	0.00, 0.82, 0.82, 0.14
HSL	0°, 71%, 51%
HSV	0°, 82%, 86%
XYZ	30.3403, 16.7241, 3.5534
YIQ	93.4070, 107.0050, 37.6370

Conversions

Conversions Part 2

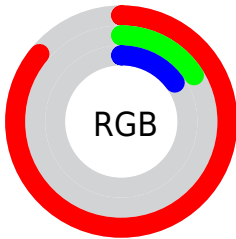
Format	Color
R_{YB}	219, 40, 39
Decimal	14362663
CIE Lab	47.91, 66.24, 46.28
CIE LCh	48, 80.803, 34.940
Yxy	16.7241, 0.5994, 0.3304
Android (android.graphics.Color)	4292552743 (0xFFDB2827)
YUV	93.4070, -26.8227, 110.1451
Hunter-Lab	40.8951, 60.8635, 23.4749

Details

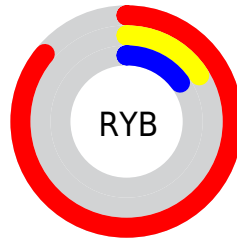
The Yxy color **16.7241, 0.5994, 0.3304** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **55.7223, 0.2275, 0.3274**, and the grayscale version is **11.0933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8325, 0.5196, 0.3455**, and **6.9686, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.5413, 0.6277, 0.3303**, and if you desaturate by 10%, it is **18.8191, 0.5578, 0.3304**.

Distribution



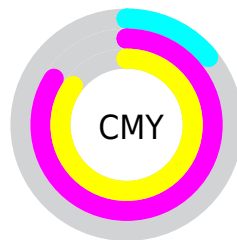
- Red (86%)
- Green (16%)
- Blue (15%)



- Red (86%)
- Yellow (16%)
- Blue (15%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (14%)




- Cyan (14%)
- Magenta (84%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7241, 0.5994, 0.3304 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 16.7241, 0.5994, 0.3304 by changing the saturation by 10% instead.


 16.7241, 0.5994,
0.3304


 16.7241, 0.5994,
0.3304

233.5774, 0.4395,
0.3475


 10.0380, 0.6393,
0.3170


 37.8508, 0.5397,
0.3429


 5.4241, 0.6955,
0.2974

 53.0602, 0.5174,
0.3455

 2.4982, 0.7447,
0.2553

 71.8794, 0.4988,
0.3470

 0.8757, 0.8082,
0.1918

 94.6929, 0.4832,
0.3477

 0.0000, 1.0000,
0.0000

 121.8850, 0.4698,
0.3480

 0.0000, 0.0000,
0.0000


 153.8402, 0.4583,


0.3480

 190.9429, 0.4483,
0.3479


 16.7241, 0.5994,
0.3304


 16.7241, 0.5994,
0.3304

 15.5413, 0.6277,
0.3303


 18.8191, 0.5578,
0.3304

 15.0856, 0.6398,
0.3302


 21.9573, 0.5101,
0.3303


 26.2517, 0.4633,
0.3301

 31.7998, 0.4215,
0.3299

 38.6889, 0.3863,
0.3297

 46.9984, 0.3576,
0.3294

 56.8017, 0.3346,
0.3292

 68.1670, 0.3162,
0.3290

 81.1584, 0.3015,
0.3289

Harmonies

Analogous

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



16.7241, 0.5197, 0.2534



16.7241, 0.5994, 0.3304



16.7241, 0.5651, 0.4184

Triad

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



16.7241, 0.5994, 0.3304



16.7241, 0.2171, 0.5770



16.7241, 0.1336, 0.1304

Complementary

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



16.7241, 0.5994, 0.3304



55.7223, 0.2275, 0.3274

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.



16.7241, 0.0959, 0.1502



16.7241, 0.5994, 0.3304



16.7241, 0.1274, 0.3780

Square

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



16.7241, 0.5994, 0.3304



16.7241, 0.3386, 0.6186



16.7241, 0.0919, 0.2206



16.7241, 0.2169, 0.1432

Rectangle

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



16.7241, 0.5994, 0.3304



16.7241, 0.5043, 0.4914



16.7241, 0.0919, 0.2206



16.7241, 0.1168, 0.1330

Sweetspot

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



16.7251, 0.5994, 0.3304



62.5493, 0.3658, 0.3295



21.6302, 0.3205, 0.1623



12.4959, 0.3759, 0.3296



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.



16.7251, 0.5994, 0.3304



21.3496, 0.6386, 0.3302



30.9163, 0.5040, 0.4163



13.0624, 0.3292, 0.3292



8.9496, 0.6397, 0.3303



0.5837, 0.6384, 0.3313

Inverse Universe

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



55.7223, 0.2275, 0.3274



77.9163, 0.2243, 0.3271



21.2558, 0.1905, 0.1886



14.8173, 0.2982, 0.3288



32.7255, 0.2242, 0.3272



2.1240, 0.2243, 0.3274

Previews

White Background



This preview shows how the Yxy color 16.7241, 0.5994, 0.3304 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 16.7241, 0.5994, 0.3304 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 16.7241, 0.5994, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 16.7241, 0.5994, 0.3304.



This preview shows how white text looks on a background with the Yxy color 16.7241, 0.5994, 0.3304.

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

16.7241, 0.5994, 0.3304

Protanopia

17.0026, 0.3977, 0.4363

Deuteranopia

16.9171, 0.4616, 0.4567



Tritanopia

16.7241, 0.5994, 0.3304

Trichromacy



Original Color

16.7241, 0.5994, 0.3304

Protanomaly

14.6920, 0.4857, 0.3840

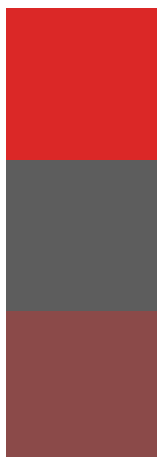
Deuteranomaly

15.0777, 0.5289, 0.3955

Tritanomaly

16.7241, 0.5994, 0.3304

Monochromacy



Original Color

16.7241, 0.5994, 0.3304

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.8676, 0.4358, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7241, 0.5994, 0.3304 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(219, 40, 39)` looks like.

```
.text, #text, p{  
    color:rgb(219, 40, 39)  
}
```

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(219, 40, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 40, 39) }
```

Border

The CSS property to change the border of an element to Yxy 16.7241, 0.5994, 0.3304 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(219, 40, 39) }
```

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

```
.border{ border-color:rgb(219, 40, 39) }
```

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

Here you see how a box with a 4 pixel rgb(219, 40, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 40, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 40, 39);  
box-shadow:4px 4px 4px 4px rgb(219, 40,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7241, 0.5994, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 40, 39) }
```

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

```
.background{ background-color: rgb(219, 40,  
39) }
```

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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