

Converting Colors

$Y_{xy}(16.5188, 0.5941, 0.3130)$

Have a look what the booklet for
Yxy(16.5188, 0.5941, 0.3130)
contains.

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Color

Yxy(16.5188, 0.5941, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	DF1635
RGB	223, 22, 53
RGB Percent	87%, 9%, 21%
CMY	0.1256, 0.9131, 0.7922
CMYK	0.00, 0.90, 0.76, 0.13
HSL	351°, 82%, 48%
HSV	351°, 90%, 87%
XYZ	31.3541, 16.5188, 4.9029
YIQ	85.6330, 109.8450, 52.2530

Conversions

Conversions Part 2

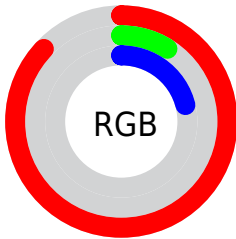
Format	Color
R_{YB}	223, 22, 53
Decimal	14620213
CIE Lab	47.65, 71.13, 38.58
CIE LCh	48, 80.925, 28.476
Yxy	16.5188, 0.5941, 0.3130
Android (android.graphics.Color)	4292810293 (0xFFDF1635)
YUV	85.6330, -16.0881, 120.4709
Hunter-Lab	40.6433, 66.5770, 21.2981

Details

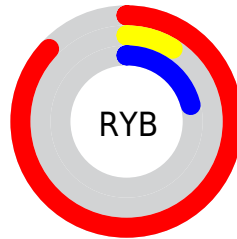
The Yxy color **16.5188, 0.5941, 0.3130** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **56.7433, 0.2385, 0.3734**, and the grayscale version is **9.2591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5458, 0.5093, 0.3260**, and **7.3951, 0.6314, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **15.8001, 0.6208, 0.3193**, and if you desaturate by 10%, it is **17.9844, 0.5570, 0.3082**.

Distribution



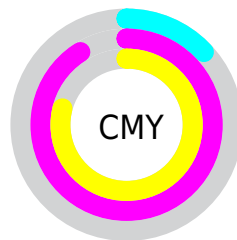
- Red (87%)
- Green (9%)
- Blue (21%)



- Red (87%)
- Yellow (9%)
- Blue (21%)



- Cyan (0%)
- Magenta (90%)
- Yellow (76%)
- Black (13%)





- Cyan (13%)
- Magenta (91%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5188, 0.5941, 0.3130 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 16.5188, 0.5941, 0.3130 by changing the saturation by 10% instead.


 16.5188, 0.5941,
0.3130


 16.5188, 0.5941,
0.3130


232.3839, 0.4346,
0.3367


 9.8920, 0.6361,
0.2993


 37.4966, 0.5333,
0.3269


 5.3274, 0.6897,
0.2773

 52.6163, 0.5110,
0.3304


 2.4406, 0.7589,
0.2411

 71.3358, 0.4926,
0.3327

 0.8467, 0.8232,
0.1768

 94.0395, 0.4772,
0.3343

 0.0000, 1.0000,
0.0000

 121.1118, 0.4641,
0.3353

 0.0000, 0.0000,
0.0000

 152.9370, 0.4529,

0.3360

189.8996, 0.4431,
0.3364

■ 16.5188, 0.5941,
0.3130

■ 16.5188, 0.5941,
0.3130

■ 15.8001, 0.6208,
0.3193

■ 17.9844, 0.5570,
0.3082

■ 20.4182, 0.5143,
0.3062

■ 23.9525, 0.4713,
0.3068

■ 28.6978, 0.4319,
0.3093

■ 34.7511, 0.3979,
0.3129

■ 42.1997, 0.3696,
0.3170

■ 51.1233, 0.3465,
0.3211

■ 61.5954, 0.3278,
0.3252

■ 73.6849, 0.3128,
0.3290

Harmonies

Analogous

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



16.5188, 0.4893, 0.2371



16.5188, 0.5941, 0.3130



16.5188, 0.5806, 0.3973

Triad

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



16.5188, 0.5941, 0.3130



16.5188, 0.2414, 0.6056



16.5188, 0.1216, 0.1310

Complementary

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



16.5188, 0.5941, 0.3130



56.7433, 0.2385, 0.3734

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.



16.5188, 0.0916, 0.1593



16.5188, 0.5941, 0.3130



16.5188, 0.1412, 0.4239

Square

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



16.5188, 0.5941, 0.3130



16.5188, 0.3656, 0.6061



16.5188, 0.0948, 0.2454



16.5188, 0.1936, 0.1373

Rectangle

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



16.5188, 0.5941, 0.3130



16.5188, 0.5272, 0.4671



16.5188, 0.0948, 0.2454



16.5188, 0.1077, 0.1359

Sweetspot

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



16.5198, 0.5941, 0.3130



60.4596, 0.3624, 0.3182



16.7887, 0.2829, 0.1368



12.1081, 0.3710, 0.3167



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.



16.5198, 0.5941, 0.3130



21.4075, 0.6221, 0.3200



22.9018, 0.5650, 0.3789



13.7347, 0.3268, 0.3254



9.3035, 0.6180, 0.3178



0.6557, 0.5798, 0.2968

Inverse Universe

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



16.5198, 0.5941, 0.3130



21.4075, 0.6221, 0.3200



29.2857, 0.1981, 0.2272



13.7347, 0.3268, 0.3254



9.3035, 0.6180, 0.3178



0.6557, 0.5798, 0.2968

Previews

White Background



This preview shows how the Yxy color 16.5188, 0.5941, 0.3130 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 16.5188, 0.5941, 0.3130 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 16.5188, 0.5941, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 16.5188, 0.5941, 0.3130.



This preview shows how white text looks on a background with the Yxy color 16.5188, 0.5941, 0.3130.

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

16.5188, 0.5941, 0.3130

Protanopia

16.8101, 0.3694, 0.3981

Deuteranopia

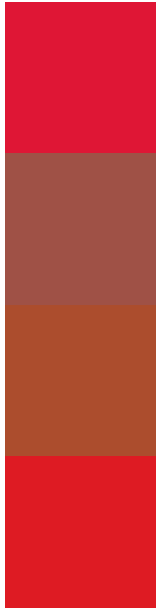
16.7180, 0.4478, 0.4385



Tritanopia

16.4785, 0.6185, 0.3316

Trichromacy



Original Color

16.5188, 0.5941, 0.3130

Protanomaly

13.6980, 0.4643, 0.3466

Deuteranomaly

14.2679, 0.5220, 0.3698

Tritanomaly

16.4348, 0.6116, 0.3261

Monochromacy



Original Color

16.5188, 0.5941, 0.3130

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.2837, 0.4385, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5188, 0.5941, 0.3130 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(223, 22, 53)` looks like.

```
.text, #text, p{  
    color:rgb(223, 22, 53)  
}
```

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(223, 22, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 22, 53) }
```

Border

The CSS property to change the border of an element to Yxy 16.5188, 0.5941, 0.3130 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(223, 22, 53) }
```

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

```
.border{ border-color:rgb(223, 22, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 22, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 22, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 22, 53);  
box-shadow:4px 4px 4px 4px rgb(223, 22,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5188, 0.5941, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 22, 53) }
```

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

```
.background{ background-color: rgb(223, 22,  
53) }
```

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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