

Converting Colors

$Y_{xy}(18.5700, 0.5642, 0.3400)$

Have a look what the booklet for
Yxy(18.5700, 0.5642, 0.3400)
contains.

Yxy(18.5137, 0.5648, 0.3398)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.5137, 0.5648, 0.3398)

Conversions

Conversions Part 1

Format	Color
Hex	D84034
RGB	216, 64, 52
RGB Percent	85%, 25%, 20%
CMY	0.1529, 0.7490, 0.7962
CMYK	0.00, 0.70, 0.76, 0.15
HSL	4°, 68%, 53%
HSV	4°, 76%, 85%
XYZ	30.7726, 18.5137, 5.1978
YIQ	108.0800, 94.4440, 28.4920

Conversions

Conversions Part 2

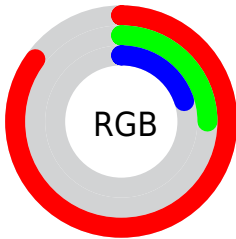
Format	Color
R_{YB}	216, 65, 52
Decimal	14172212
CIE Lab	50.11, 58.36, 41.44
CIE LCh	50, 71.573, 35.376
Yxy	18.5137, 0.5648, 0.3398
Android (android.graphics.Color)	4292362292 (0xFFD84034)
YUV	108.0800, -27.6474, 94.6458
Hunter-Lab	43.0275, 52.3622, 22.9570

Details

The Yxy color **18.5137, 0.5648, 0.3398** 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 **48.8611, 0.2258, 0.3116**, and the grayscale version is **15.0796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8548, 0.4912, 0.3496**, and **6.7876, 0.6340, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **16.4958, 0.6032, 0.3377**, and if you desaturate by 10%, it is **21.4325, 0.5196, 0.3404**.

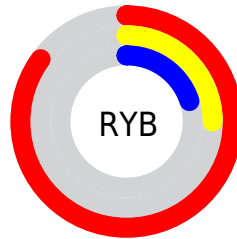
Distribution



Red (85%)

Green (25%)

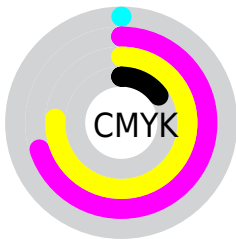
Blue (20%)



Red (85%)

Yellow (25%)

Blue (20%)

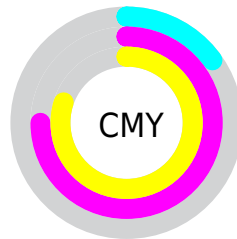


Cyan (0%)

Magenta (70%)

Yellow (76%)

Black (15%)



Cyan (15%)


Magenta (75%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5137, 0.5648, 0.3398 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 18.5137, 0.5648, 0.3398 by changing the saturation by 10% instead.


 18.5137, 0.5648,
0.3398


 18.5137, 0.5648,
0.3398


243.7508, 0.4237,
0.3473


 11.3194, 0.6017,
0.3310


 40.9107, 0.5113,
0.3471

 6.2821, 0.6482,
0.3150


 56.8823, 0.4917,
0.3484


 3.0174, 0.7118,
0.2882

 76.5484, 0.4754,
0.3488

 1.1408, 0.7689,
0.2311

 100.2934, 0.4617,
0.3489

 0.0125, 0.9922,
0.0078

 128.5018, 0.4500,
0.3487

 0.0000, 1.0000,
0.0000

 161.5578, 0.4400,

 0.0000, 0.0000,

0.3483

0.0000

199.8461, 0.4313,
0.3478

■ 18.5137, 0.5648,
0.3398

■ 18.5137, 0.5648,
0.3398

■ 16.4958, 0.6032,
0.3377

■ 21.4325, 0.5196,
0.3404

■ 15.2709, 0.6285,
0.3345


■ 25.3376, 0.4739,
0.3397


■ 14.9653, 0.6355,
0.3336


■ 30.3080, 0.4322,
0.3382


■ 36.4139, 0.3963,
0.3363

■ 43.7195, 0.3665,
0.3342

 52.2841, 0.3422,
0.3321

 62.1632, 0.3226,
0.3301

 73.4089, 0.3067,
0.3283

 86.0706, 0.2938,
0.3266

Harmonies

Analogous

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



18.5137, 0.4932, 0.2656



18.5137, 0.5648, 0.3398



18.5137, 0.5412, 0.4224

Triad

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



18.5137, 0.5648, 0.3398



18.5137, 0.2329, 0.5333



18.5137, 0.1523, 0.1494

Complementary

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



18.5137, 0.5648, 0.3398



48.8611, 0.2258, 0.3116

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.



18.5137, 0.1156, 0.1694



18.5137, 0.5648, 0.3398



18.5137, 0.1488, 0.3713

Square

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



18.5137, 0.5648, 0.3398



18.5137, 0.3449, 0.5815



18.5137, 0.1128, 0.2360



18.5137, 0.2307, 0.1615

Rectangle

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



18.5137, 0.5648, 0.3398



18.5137, 0.4885, 0.4839



18.5137, 0.1128, 0.2360



18.5137, 0.1360, 0.1521

Sweetspot

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



18.5148, 0.5648, 0.3398



66.8723, 0.3594, 0.3336



21.4646, 0.3330, 0.1762



13.3997, 0.3690, 0.3344



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.



18.5148, 0.5648, 0.3398



22.8371, 0.6200, 0.3359



35.0753, 0.4758, 0.4273



12.5656, 0.3289, 0.3308



8.9171, 0.6342, 0.3346



0.5902, 0.6170, 0.3483

Inverse Universe

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



48.8611, 0.2258, 0.3116



68.5404, 0.2198, 0.3077



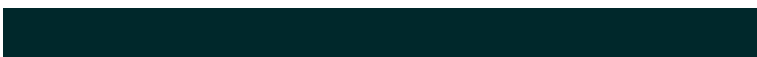
19.8673, 0.1927, 0.1832



13.9447, 0.2983, 0.3272



27.4978, 0.2184, 0.3061



1.7061, 0.2195, 0.3103

Previews

White Background



This preview shows how the Yxy color 18.5137, 0.5648, 0.3398 looks on a white 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

Black Background



This preview shows how the Yxy color 18.5137, 0.5648, 0.3398 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.5137, 0.5648, 0.3398

Background



This preview shows how black text looks on a background with the Yxy color 18.5137, 0.5648, 0.3398.



This preview shows how white text looks on a background with the Yxy color 18.5137, 0.5648, 0.3398.

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

18.5137, 0.5648, 0.3398

Protanopia

18.6879, 0.3883, 0.4231

Deuteranopia

18.6788, 0.4483, 0.4408



Tritanopia

18.4258, 0.5501, 0.3270

Trichromacy



Original Color

18.5137, 0.5648, 0.3398

Protanomaly

17.1546, 0.4579, 0.3859

Deuteranomaly

17.5539, 0.4983, 0.3956

Tritanomaly

18.4802, 0.5559, 0.3323

Monochromacy



Original Color

18.5137, 0.5648, 0.3398

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.5619, 0.4070, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5137, 0.5648, 0.3398 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, 64, 52)` looks like.

```
.text, #text, p{  
    color:rgb(216, 64, 52)  
}
```

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, 64, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 64, 52) }
```

Border

The CSS property to change the border of an element to Yxy 18.5137, 0.5648, 0.3398 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, 64, 52) }
```

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

```
.border{ border-color:rgb(216, 64, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 64, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 64, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 64, 52);  
box-shadow:4px 4px 4px 4px rgb(216, 64,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5137, 0.5648, 0.3398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 64, 52) }
```

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

```
.background{ background-color: rgb(216, 64,  
52) }
```

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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