

Converting Colors

$Y_{xy}(18.4218, 0.5620, 0.3280)$

Have a look what the booklet for
Yxy(18.4218, 0.5620, 0.3280)
contains.

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Color

Yxy(18.4124, 0.5620, 0.3281)

Conversions

Conversions Part 1

Format	Color
Hex	DB3A3C
RGB	219, 58, 60
RGB Percent	86%, 23%, 24%
CMY	0.1412, 0.7724, 0.7647
CMYK	0.00, 0.73, 0.73, 0.14
HSL	359°, 69%, 54%
HSV	359°, 73%, 86%
XYZ	31.5385, 18.4124, 6.1674
YIQ	106.3670, 95.3140, 34.7540

Conversions

Conversions Part 2

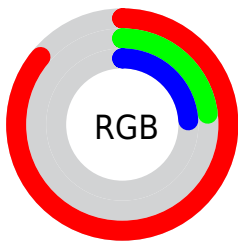
Format	Color
R _Y B	219, 58, 60
Decimal	14367292
CIE Lab	49.99, 61.70, 36.97
CIE LCh	50, 71.933, 30.929
Yxy	18.4124, 0.5620, 0.3281
Android (android.graphics.Color)	4292557372 (0xFFDB3A3C)
YUV	106.3670, -22.8589, 98.7791
Hunter-Lab	42.9097, 56.1050, 21.5150

Details

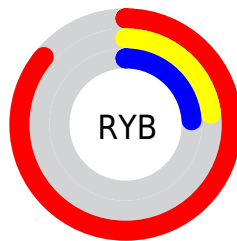
The Yxy color **18.4124, 0.5620, 0.3281** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **56.5651, 0.2321, 0.3315**, and the grayscale version is **14.5681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0653, 0.4852, 0.3382**, and **7.1084, 0.6251, 0.3217** is the 20% darker color. If you saturate the color by 10%, you get **16.4699, 0.6025, 0.3286**, and if you desaturate by 10%, it is **21.3889, 0.5147, 0.3279**.

Distribution



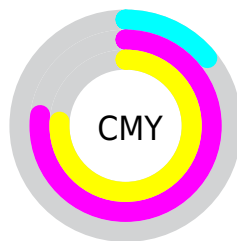
- Red (86%)
- Green (23%)
- Blue (24%)



- Red (86%)
- Yellow (23%)
- Blue (24%)



- Cyan (0%)
- Magenta (73%)
- Yellow (73%)
- Black (14%)




- Cyan (14%)
- Magenta (77%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4124, 0.5620, 0.3281 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 18.4124, 0.5620, 0.3281 by changing the saturation by 10% instead.


 18.4124, 0.5620,
0.3281


 18.4124, 0.5620,
0.3281


243.1854, 0.4213,
0.3406


 11.2465, 0.5998,
0.3187


 40.7388, 0.5081,
0.3368


 6.2329, 0.6477,
0.3023

 56.6681, 0.4885,
0.3387


 2.9872, 0.7219,
0.2781

 76.2872, 0.4724,
0.3398

 1.1250, 0.7800,
0.2200

 99.9807, 0.4588,
0.3404

 0.0000, 1.0000,
0.0000

 128.1328, 0.4473,
0.3407

 0.0000, 0.0000,
0.0000

 161.1281, 0.4374,

0.3408

199.3508, 0.4288,
0.3408

■ 18.4124, 0.5620,
0.3281

■ 18.4124, 0.5620,
0.3281

■ 16.4699, 0.6025,
0.3286

■ 21.3889, 0.5147,
0.3279

■ 15.4176, 0.6293,
0.3292

■ 25.5120, 0.4678,
0.3278


■ 15.0633, 0.6390,
0.3294

■ 30.8835, 0.4256,
0.3279

■ 37.5929, 0.3898,
0.3281

■ 45.7217, 0.3606,
0.3284

 55.3447, 0.3371,
0.3287

 66.5315, 0.3183,
0.3289

 79.3474, 0.3033,
0.3292

 93.7767, 0.2913,
0.3293

Harmonies

Analogous

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



18.4124, 0.4762, 0.2548



18.4124, 0.5620, 0.3281



18.4124, 0.5508, 0.4093

Triad

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



18.4124, 0.5620, 0.3281



18.4124, 0.2480, 0.5521



18.4124, 0.1437, 0.1493

Complementary

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



18.4124, 0.5620, 0.3281



56.5651, 0.2321, 0.3315

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.



18.4124, 0.1122, 0.1749



18.4124, 0.5620, 0.3281



18.4124, 0.1574, 0.3970

Square

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



18.4124, 0.5620, 0.3281



18.4124, 0.3617, 0.5779



18.4124, 0.1144, 0.2507



18.4124, 0.2154, 0.1571

Rectangle

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



18.4124, 0.5620, 0.3281



18.4124, 0.5026, 0.4703



18.4124, 0.1144, 0.2507



18.4124, 0.1293, 0.1537

Sweetspot

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



18.4135, 0.5620, 0.3281



66.2117, 0.3572, 0.3284



22.7881, 0.3172, 0.1692



13.4401, 0.3644, 0.3284



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.



18.4135, 0.5620, 0.3281



22.3310, 0.6186, 0.3289



32.9229, 0.4844, 0.4116



13.0541, 0.3290, 0.3288



8.9346, 0.6387, 0.3292



0.5798, 0.6344, 0.3268

Inverse Universe

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



18.4135, 0.5620, 0.3281



22.3310, 0.6186, 0.3289



25.1207, 0.2011, 0.2097



13.0541, 0.3290, 0.3288



8.9346, 0.6387, 0.3292



0.5798, 0.6344, 0.3268

Previews

White Background



This preview shows how the Yxy color 18.4124, 0.5620, 0.3281 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 18.4124, 0.5620, 0.3281 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 18.4124, 0.5620, 0.3281

Background



This preview shows how black text looks on a background with the Yxy color 18.4124, 0.5620, 0.3281.



This preview shows how white text looks on a background with the Yxy color 18.4124, 0.5620, 0.3281.

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

18.4124, 0.5620, 0.3281

Protanopia

18.4549, 0.3722, 0.4009

Deuteranopia

18.5608, 0.4376, 0.4319



Tritanopia

18.4124, 0.5620, 0.3281

Trichromacy



Original Color

18.4124, 0.5620, 0.3281

Protanomaly

16.7118, 0.4474, 0.3669

Deuteranomaly

17.2704, 0.4911, 0.3833

Tritanomaly

18.4124, 0.5620, 0.3281

Monochromacy



Original Color

18.4124, 0.5620, 0.3281

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.0691, 0.4074, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4124, 0.5620, 0.3281 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, 58, 60)` looks like.

```
.text, #text, p{  
    color:rgb(219, 58, 60)  
}
```

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, 58, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 58, 60) }
```

Border

The CSS property to change the border of an element to Yxy 18.4124, 0.5620, 0.3281 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, 58, 60) }
```

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

```
.border{ border-color:rgb(219, 58, 60) }
```

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

Here you see how a box with a 4 pixel rgb(219, 58, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 58, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 58, 60);  
box-shadow:4px 4px 4px 4px rgb(219, 58,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4124, 0.5620, 0.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 58, 60) }
```

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

```
.background{ background-color: rgb(219, 58,  
60) }
```

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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