

Converting Colors

$Y_{xy}(18.1956, 0.5795, 0.3411)$

Have a look what the booklet for
Yxy(18.1956, 0.5795, 0.3411)
contains.

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Color

Yxy(18.2152, 0.5791, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	DA3B2C
RGB	218, 59, 44
RGB Percent	85%, 23%, 17%
CMY	0.1451, 0.7686, 0.8275
CMYK	0.00, 0.73, 0.80, 0.15
HSL	5°, 70%, 51%
HSV	5°, 80%, 85%
XYZ	30.9338, 18.2152, 4.2680
YIQ	104.8310, 99.5790, 29.0430

Conversions

Conversions Part 2

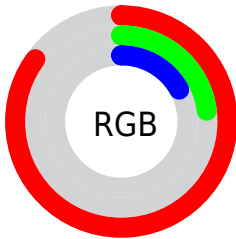
Format	Color
RYB	218, 60, 44
Decimal	14301996
CIELab	49.76, 60.50, 45.43
CIElCh	50, 75.658, 36.907
Yxy	18.2152, 0.5791, 0.3410
Android (android.graphics.Color)	4292492076 (0xFFDA3B2C)
YUV	104.8310, -29.9897, 99.2492
Hunter-Lab	42.6793, 54.6875, 23.9464

Details

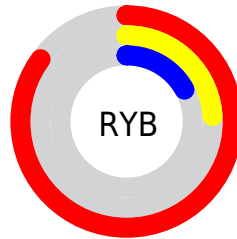
The Yxy color **18.2152, 0.5791, 0.3410** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **48.3121, 0.2230, 0.3074**, and the grayscale version is **14.1411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7553, 0.5028, 0.3528**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.4215, 0.6132, 0.3380**, and if you desaturate by 10%, it is **20.8781, 0.5359, 0.3423**.

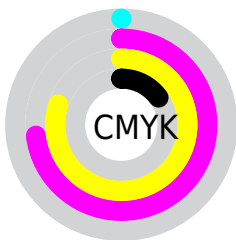
Distribution



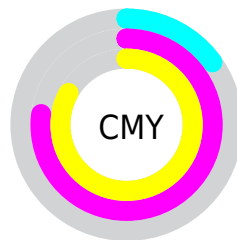
- Red (85%)
- Green (23%)
- Blue (17%)



- Red (85%)
- Yellow (24%)
- Blue (17%)



- Cyan (0%)
- Magenta (73%)
- Yellow (80%)
- Black (15%)





- Cyan (15%)
- Magenta (77%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2152, 0.5791, 0.3410 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 18.2152, 0.5791, 0.3410 by changing the saturation by 10% instead.


 18.2152, 0.5791,
0.3410


 18.2152, 0.5791,
0.3410


242.0812, 0.4312,
0.3502

 11.1046, 0.6165,
0.3307


 40.4037, 0.5237,
0.3497


 6.1372, 0.6653,
0.3137

 56.2503, 0.5032,
0.3512


 2.9287, 0.7196,
0.2804

 75.7778, 0.4860,
0.3518

 1.0946, 0.7780,
0.2220

 99.3705, 0.4715,
0.3519

 0.0000, 1.0000,
0.0000

 127.4128, 0.4592,
0.3517

 0.0000, 0.0000,
0.0000

 160.2891, 0.4485,

0.3513

198.3838, 0.4393,
0.3508

■ 18.2152, 0.5791,
0.3410

■ 18.2152, 0.5791,
0.3410

■ 16.4215, 0.6132,
0.3380

■ 20.8781, 0.5359,
0.3423

■ 15.3785, 0.6341,
0.3345


■ 24.4983, 0.4901,
0.3420


■ 15.3654, 0.6344,
0.3345

■ 29.1567, 0.4470,
0.3406

■ 34.9247, 0.4090,
0.3384

■ 41.8674, 0.3772,
0.3360

 50.0448, 0.3510,
0.3335

 59.5129, 0.3297,
0.3312

 70.3242, 0.3124,
0.3290

 82.5283, 0.2984,
0.3270

Harmonies

Analogous

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



18.2152, 0.5102, 0.2652



18.2152, 0.5791, 0.3410



18.2152, 0.5466, 0.4266

Triad

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



18.2152, 0.5791, 0.3410



18.2152, 0.2211, 0.5416



18.2152, 0.1483, 0.1419

Complementary

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



18.2152, 0.5791, 0.3410



48.3121, 0.2230, 0.3074

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.



18.2152, 0.1090, 0.1598



18.2152, 0.5791, 0.3410



18.2152, 0.1372, 0.3636

Square

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



18.2152, 0.5791, 0.3410



18.2152, 0.3363, 0.5977



18.2152, 0.1038, 0.2245



18.2152, 0.2315, 0.1560

Rectangle

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



18.2152, 0.5791, 0.3410



18.2152, 0.4884, 0.4923



18.2152, 0.1038, 0.2245



18.2152, 0.1310, 0.1439

Sweetspot

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



18.2163, 0.5791, 0.3410



66.0281, 0.3618, 0.3346



21.0437, 0.3376, 0.1747



13.2521, 0.3715, 0.3355



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.



18.2163, 0.5791, 0.3410



22.2784, 0.6288, 0.3352



35.4933, 0.4813, 0.4317



13.2310, 0.3289, 0.3311



9.2701, 0.6331, 0.3355



0.6644, 0.6144, 0.3504

Inverse Universe

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



48.3121, 0.2230, 0.3074



66.0714, 0.2177, 0.3024



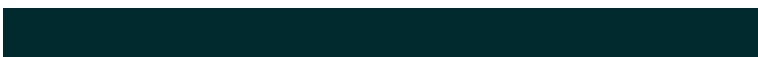
18.2045, 0.1869, 0.1701



14.6275, 0.2982, 0.3269



27.6403, 0.2172, 0.3019



1.8483, 0.2185, 0.3067

Previews

White Background



This preview shows how the Yxy color 18.2152, 0.5791, 0.3410 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 18.2152, 0.5791, 0.3410 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 18.2152, 0.5791, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 18.2152, 0.5791, 0.3410.



This preview shows how white text looks on a background with the Yxy color 18.2152, 0.5791, 0.3410.

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

18.2152, 0.5791, 0.3410

Protanopia

18.3559, 0.3978, 0.4347

Deuteranopia

18.3880, 0.4577, 0.4496



Tritanopia

18.1474, 0.5635, 0.3281

Trichromacy



Original Color

18.2152, 0.5791, 0.3410

Protanomaly

16.6118, 0.4728, 0.3914

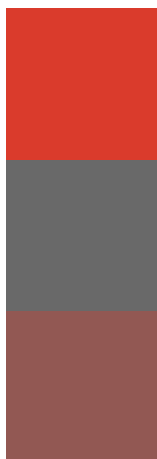
Deuteranomaly

17.0640, 0.5129, 0.3997

Tritanomaly

18.1979, 0.5689, 0.3330

Monochromacy



Original Color

18.2152, 0.5791, 0.3410

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.7150, 0.4168, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2152, 0.5791, 0.3410 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(218, 59, 44)` looks like.

```
.text, #text, p{  
    color:rgb(218, 59, 44)  
}
```

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(218, 59, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 59, 44) }
```

Border

The CSS property to change the border of an element to Yxy 18.2152, 0.5791, 0.3410 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(218, 59, 44) }
```

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

```
.border{ border-color:rgb(218, 59, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 59, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 59, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 59, 44);  
box-shadow:4px 4px 4px 4px rgb(218, 59,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2152, 0.5791, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 59, 44) }
```

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

```
.background{ background-color: rgb(218, 59,  
44) }
```

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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