

Converting Colors

$Y_{xy}(18.2549, 0.5624, 0.3514)$

Have a look what the booklet for
Yxy(18.2549, 0.5624, 0.3514)
contains.

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Color

Yxy(18.2714, 0.5625, 0.3515)

Conversions

Conversions Part 1

Format	Color
Hex	D2462D
RGB	210, 70, 45
RGB Percent	82%, 27%, 18%
CMY	0.1765, 0.7254, 0.8234
CMYK	0.00, 0.67, 0.79, 0.18
HSL	9°, 65%, 50%
HSV	9°, 79%, 82%
XYZ	29.2394, 18.2714, 4.4704
YIQ	109.0100, 91.4650, 21.9050

Conversions

Conversions Part 2

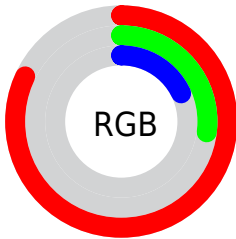
Format	Color
RYB	210, 74, 45
Decimal	13780525
CIELab	49.82, 53.81, 44.49
CIElCh	50, 69.821, 39.587
Yxy	18.2714, 0.5625, 0.3515
Android (android.graphics.Color)	4291970605 (0xFFD2462D)
YUV	109.0100, -31.5569, 88.5682
Hunter-Lab	42.7451, 47.2977, 23.7208

Details

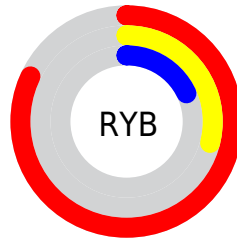
The Yxy color **18.2714, 0.5625, 0.3515** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **39.9013, 0.2193, 0.2912**, and the grayscale version is **15.3710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7175, 0.4954, 0.3598**, and **6.2959, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.2401, 0.5985, 0.3474**, and if you desaturate by 10%, it is **21.0463, 0.5201, 0.3527**.

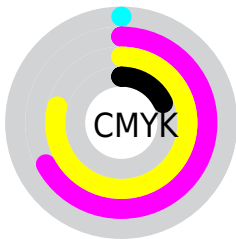
Distribution



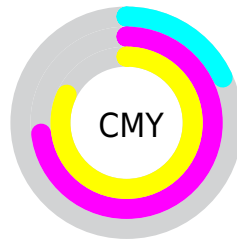
- Red (82%)
- Green (27%)
- Blue (18%)



- Red (82%)
- Yellow (29%)
- Blue (18%)



- Cyan (0%)
- Magenta (67%)
- Yellow (79%)
- Black (18%)





- Cyan (18%)
- Magenta (73%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2714, 0.5625, 0.3515 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 18.2714, 0.5625, 0.3515 by changing the saturation by 10% instead.


 18.2714, 0.5625,
0.3515


 18.2714, 0.5625,
0.3515


242.3964, 0.4232,
0.3533


 11.1450, 0.5983,
0.3436


 40.4992, 0.5100,
0.3570


 6.1645, 0.6448,
0.3293

 56.3695, 0.4906,
0.3575


 2.9453, 0.6998,
0.3002

 75.9231, 0.4745,
0.3573

 1.1033, 0.7563,
0.2437

 99.5446, 0.4609,
0.3567

 0.0000, 1.0000,
0.0000

 127.6183, 0.4494,
0.3560

 0.0000, 0.0000,
0.0000

 160.5285, 0.4394,

0.3551

198.6598, 0.4308,
0.3542

■ 18.2714, 0.5625,
0.3515

■ 18.2714, 0.5625,
0.3515

■ 16.2401, 0.5985,
0.3474

■ 21.0463, 0.5201,
0.3527

■ 14.8727, 0.6237,
0.3413

■ 24.6252, 0.4770,
0.3515

■ 14.7231, 0.6267,
0.3406

■ 29.0659, 0.4369,
0.3486

■ 34.4197, 0.4017,
0.3448

■ 40.7339, 0.3720,
0.3406

■ 48.0528, 0.3474,
0.3363

■ 56.4176, 0.3271,
0.3323

■ 65.8672, 0.3105,
0.3285

■ 76.4387, 0.2969,
0.3250

Harmonies

Analogous

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



18.2714, 0.5051, 0.2769



18.2714, 0.5625, 0.3515



18.2714, 0.5292, 0.4349

Triad

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



18.2714, 0.5625, 0.3515



18.2714, 0.2208, 0.5101



18.2714, 0.1628, 0.1518

Complementary

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



18.2714, 0.5625, 0.3515



39.9013, 0.2193, 0.2912

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.



18.2714, 0.1212, 0.1669



18.2714, 0.5625, 0.3515



18.2714, 0.1438, 0.3482

Square

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



18.2714, 0.5625, 0.3515



18.2714, 0.3297, 0.5787



18.2714, 0.1138, 0.2251



18.2714, 0.2469, 0.1678

Rectangle

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



18.2714, 0.5625, 0.3515



18.2714, 0.4736, 0.4956



18.2714, 0.1138, 0.2251



18.2714, 0.1447, 0.1531

Sweetspot

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



18.2725, 0.5625, 0.3515



67.8937, 0.3609, 0.3387



19.0908, 0.3517, 0.1850



13.6870, 0.3702, 0.3403



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.



18.2725, 0.5625, 0.3515



23.7185, 0.6160, 0.3435



36.4261, 0.4659, 0.4429



12.0933, 0.3287, 0.3326



9.0750, 0.6247, 0.3421



0.6016, 0.5937, 0.3668

Inverse Universe

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



39.9013, 0.2193, 0.2912



57.8150, 0.2124, 0.2823



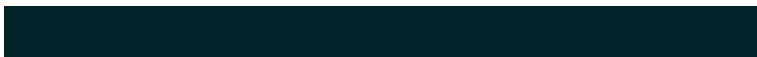
14.8634, 0.1840, 0.1559



13.0890, 0.2983, 0.3254



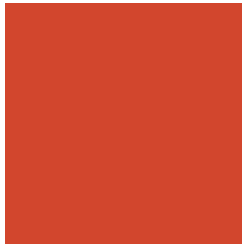
22.4207, 0.2113, 0.2805



1.3383, 0.2140, 0.2903

Previews

White Background



This preview shows how the Yxy color 18.2714, 0.5625, 0.3515 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 18.2714, 0.5625, 0.3515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

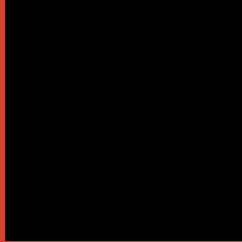
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2714, 0.5625, 0.3515

Background



This preview shows how black text looks on a background with the Yxy color 18.2714, 0.5625, 0.3515.



This preview shows how white text looks on a background with the Yxy color 18.2714, 0.5625, 0.3515.

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

18.2714, 0.5625, 0.3515

Protanopia

18.4150, 0.4013, 0.4372

Deuteranopia

18.4098, 0.4550, 0.4462



Tritanopia

18.3054, 0.5350, 0.3267

Trichromacy



Original Color

18.2714, 0.5625, 0.3515

Protanomaly

17.0473, 0.4652, 0.4002

Deuteranomaly

17.4600, 0.5013, 0.4045

Tritanomaly

18.3201, 0.5465, 0.3363

Monochromacy



Original Color

18.2714, 0.5625, 0.3515

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.9673, 0.4065, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2714, 0.5625, 0.3515 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(210, 70, 45)` looks like.

```
.text, #text, p{  
  color:rgb(210, 70, 45)  
}
```

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(210, 70, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 70, 45) }
```

Border

The CSS property to change the border of an element to Yxy 18.2714, 0.5625, 0.3515 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(210, 70, 45) }
```

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

```
.border{ border-color:rgb(210, 70, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 70, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 70, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 70, 45);  
box-shadow:4px 4px 4px 4px rgb(210, 70,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2714, 0.5625, 0.3515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 70, 45) }
```

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

```
.background{ background-color: rgb(210, 70,  
45) }
```

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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