

Converting Colors

$Y_{xy}(18.4620, 0.5724, 0.3505)$

Have a look what the booklet for
Yxy(18.4620, 0.5724, 0.3505)
contains.

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Color

Yxy(18.4705, 0.5721, 0.3506)

Conversions

Conversions Part 1

Format	Color
Hex	D64329
RGB	214, 67, 41
RGB Percent	84%, 26%, 16%
CMY	0.1608, 0.7372, 0.8393
CMYK	0.00, 0.69, 0.81, 0.16
HSL	9°, 68%, 50%
HSV	9°, 81%, 84%
XYZ	30.1397, 18.4705, 4.0724
YIQ	107.9890, 95.9580, 23.0780

Conversions

Conversions Part 2

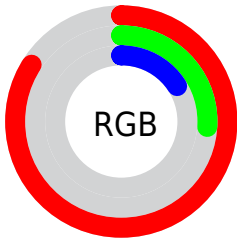
Format	Color
RYB	214, 72, 41
Decimal	14041897
CIELab	50.06, 56.21, 47.02
CIELCh	50, 73.281, 39.910
Yxy	18.4705, 0.5721, 0.3506
Android (android.graphics.Color)	4292231977 (0xFFD64329)
YUV	107.9890, -33.0256, 92.9716
Hunter-Lab	42.9773, 49.9705, 24.4660

Details

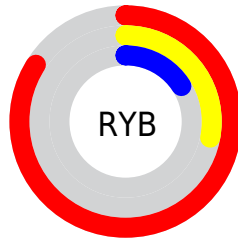
The Yxy color **18.4705, 0.5721, 0.3506** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **41.2832, 0.2181, 0.2902**, and the grayscale version is **15.0673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1472, 0.5010, 0.3613**, and **6.5793, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.5277, 0.6058, 0.3459**, and if you desaturate by 10%, it is **21.1751, 0.5306, 0.3525**.

Distribution



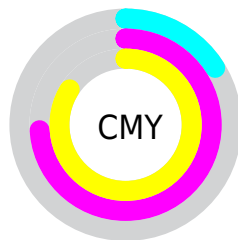
- Red (84%)
- Green (26%)
- Blue (16%)



- Red (84%)
- Yellow (28%)
- Blue (16%)



- Cyan (0%)
- Magenta (69%)
- Yellow (81%)
- Black (16%)





- Cyan (16%)
- Magenta (74%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4705, 0.5721, 0.3506 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 18.4705, 0.5721, 0.3506 by changing the saturation by 10% instead.


 18.4705, 0.5721,
0.3506


 18.4705, 0.5721,
0.3506


243.5098, 0.4286,
0.3545


 11.2883, 0.6080,
0.3416


 40.8374, 0.5186,
0.3573


 6.2611, 0.6558,
0.3266


 56.7910, 0.4987,
0.3581

 3.0045, 0.7058,
0.2942


 76.4370, 0.4820,
0.3581

 1.1341, 0.7625,
0.2375

 100.1601, 0.4679,
0.3577

 0.0068, 0.9955,
0.0045

 128.3445, 0.4559,
0.3570

 0.0000, 1.0000,
0.0000

 161.3747, 0.4455,

 0.0000, 0.0000,

0.3562

0.0000

199.6350, 0.4365,
0.3553

■ 18.4705, 0.5721,
0.3506

■ 18.4705, 0.5721,
0.3506

■ 16.5277, 0.6058,
0.3459

■ 21.1751, 0.5306,
0.3525

■ 15.3401, 0.6270,
0.3404

■ 24.7072, 0.4872,
0.3518

■ 29.1289, 0.4460,
0.3493

■ 34.4956, 0.4095,
0.3456

■ 40.8579, 0.3785,
0.3415

■ 48.2628, 0.3527,
0.3372

■ 56.7546, 0.3314,
0.3331

■ 66.3746, 0.3140,
0.3293

■ 77.1622, 0.2998,
0.3258

Harmonies

Analogous

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



18.4705, 0.5146, 0.2749



18.4705, 0.5721, 0.3506



18.4705, 0.5344, 0.4361

Triad

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



18.4705, 0.5721, 0.3506



18.4705, 0.2148, 0.5184



18.4705, 0.1585, 0.1464

Complementary

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



18.4705, 0.5721, 0.3506



41.2832, 0.2181, 0.2902

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.



18.4705, 0.1158, 0.1609



18.4705, 0.5721, 0.3506



18.4705, 0.1369, 0.3463

Square

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



18.4705, 0.5721, 0.3506



18.4705, 0.3264, 0.5901



18.4705, 0.1077, 0.2192



18.4705, 0.2452, 0.1631

Rectangle

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



18.4705, 0.5721, 0.3506



18.4705, 0.4756, 0.4998



18.4705, 0.1077, 0.2192



18.4705, 0.1400, 0.1475

Sweetspot

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



18.4716, 0.5721, 0.3506



67.8606, 0.3609, 0.3387



19.5142, 0.3531, 0.1832



13.6793, 0.3702, 0.3402



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.



18.4716, 0.5721, 0.3506



23.1426, 0.6225, 0.3412



37.3852, 0.4702, 0.4440



12.7193, 0.3287, 0.3326



9.3666, 0.6251, 0.3419



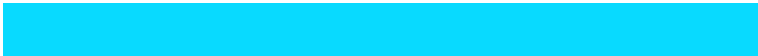
0.6627, 0.5959, 0.3651

Inverse Universe

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



41.2832, 0.2181, 0.2902



57.3053, 0.2117, 0.2811



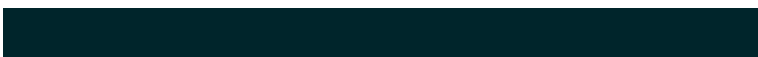
14.7383, 0.1812, 0.1504



13.7747, 0.2983, 0.3254



23.2315, 0.2113, 0.2808



1.4895, 0.2139, 0.2900

Previews

White Background



This preview shows how the Yxy color 18.4705, 0.5721, 0.3506 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 18.4705, 0.5721, 0.3506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

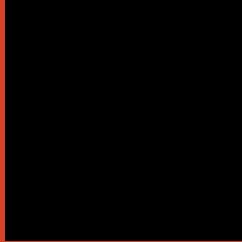
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4705, 0.5721, 0.3506

Background



This preview shows how black text looks on a background with the Yxy color 18.4705, 0.5721, 0.3506.



This preview shows how white text looks on a background with the Yxy color 18.4705, 0.5721, 0.3506.

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

18.4705, 0.5721, 0.3506

Protanopia

18.6953, 0.4057, 0.4441

Deuteranopia

18.6931, 0.4593, 0.4524



Tritanopia

18.5191, 0.5450, 0.3269

Trichromacy



Original Color

18.4705, 0.5721, 0.3506

Protanomaly

17.2190, 0.4722, 0.4039

Deuteranomaly

17.6523, 0.5084, 0.4081

Tritanomaly

18.5332, 0.5560, 0.3359

Monochromacy



Original Color

18.4705, 0.5721, 0.3506

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.6718, 0.4127, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4705, 0.5721, 0.3506 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(214, 67, 41)` looks like.

```
.text, #text, p{  
  color:rgb(214, 67, 41)  
}
```

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(214, 67, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 67, 41) }
```

Border

The CSS property to change the border of an element to Yxy 18.4705, 0.5721, 0.3506 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(214, 67, 41) }
```

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

```
.border{ border-color:rgb(214, 67, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 67, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 67, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 67, 41);  
box-shadow:4px 4px 4px 4px rgb(214, 67,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4705, 0.5721, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 67, 41) }
```

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

```
.background{ background-color: rgb(214, 67,  
41) }
```

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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