

Converting Colors

$Y_{xy}(20.0315, 0.5599, 0.3501)$

Have a look what the booklet for
Yxy(20.0315, 0.5599, 0.3501)
contains.

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Color

Yxy(19.9008, 0.5596, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	DA4932
RGB	218, 73, 50
RGB Percent	85%, 29%, 20%
CMY	0.1451, 0.7137, 0.8038
CMYK	0.00, 0.67, 0.77, 0.15
HSL	8°, 69%, 53%
HSV	8°, 77%, 85%
XYZ	31.8732, 19.9008, 5.1831
YIQ	113.7330, 93.8030, 23.5870

Conversions

Conversions Part 2

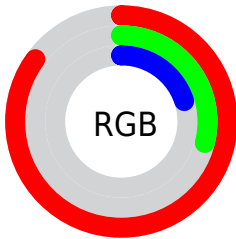
Format	Color
RYB	218, 77, 50
Decimal	14305586
CIELab	51.72, 55.46, 44.28
CIElCh	52, 70.969, 38.608
Yxy	19.9008, 0.5596, 0.3494
Android (android.graphics.Color)	4292495666 (0xFFDA4932)
YUV	113.7330, -31.4204, 91.4422
Hunter-Lab	44.6103, 49.4666, 24.3386

Details

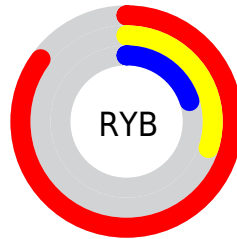
The Yxy color **19.9008, 0.5596, 0.3494** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **44.7884, 0.2211, 0.2956**, and the grayscale version is **16.8196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8424, 0.4872, 0.3594**, and **6.9751, 0.6375, 0.3286** is the 20% darker color. If you saturate the color by 10%, you get **17.6463, 0.5970, 0.3459**, and if you desaturate by 10%, it is **22.9952, 0.5163, 0.3503**.

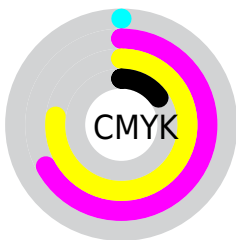
Distribution



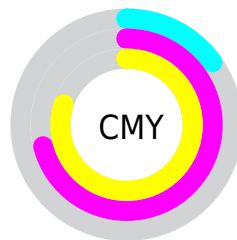
- Red (85%)
- Green (29%)
- Blue (20%)



- Red (85%)
- Yellow (30%)
- Blue (20%)



- Cyan (0%)
- Magenta (67%)
- Yellow (77%)
- Black (15%)



- Cyan (15%)
- Magenta (71%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9008, 0.5596, 0.3494 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 19.9008, 0.5596, 0.3494 by changing the saturation by 10% instead.


 19.9008, 0.5596,
0.3494


 19.9008, 0.5596,
0.3494


251.3776, 0.4232,
0.3519


 12.3230, 0.5944,
0.3420


 43.2508, 0.5085,
0.3548


 6.9640, 0.6378,
0.3279


 59.7918, 0.4896,
0.3554


 3.4396, 0.6963,
0.3037

 80.0892, 0.4738,
0.3553

 1.3653, 0.7489,
0.2511

 104.5275, 0.4604,
0.3549

 0.1910, 0.9013,
0.0987

 133.4911, 0.4491,
0.3543

 0.0000, 1.0000,
0.0000

 167.3644, 0.4392,

 0.0000, 0.0000,

0.3535

0.0000

206.5318, 0.4307,
0.3527

■ 19.9008, 0.5596,
0.3494

■ 19.9008, 0.5596,
0.3494

■ 17.6463, 0.5970,
0.3459

■ 22.9952, 0.5163,
0.3503

■ 16.1436, 0.6230,
0.3402


■ 26.9985, 0.4727,
0.3490

■ 15.8247, 0.6289,
0.3388

■ 31.9763, 0.4326,
0.3463


■ 37.9871, 0.3977,
0.3427

■ 45.0849, 0.3684,
0.3389

 53.3199, 0.3442,
0.3351

 62.7390, 0.3244,
0.3314

 73.3867, 0.3083,
0.3280

 85.3050, 0.2950,
0.3249

Harmonies

Analogous

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



19.9008, 0.4994, 0.2754



19.9008, 0.5596, 0.3494



19.9008, 0.5297, 0.4319

Triad

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



19.9008, 0.5596, 0.3494



19.9008, 0.2253, 0.5119



19.9008, 0.1621, 0.1532

Complementary

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



19.9008, 0.5596, 0.3494



44.7884, 0.2211, 0.2956

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.



19.9008, 0.1219, 0.1695



19.9008, 0.5596, 0.3494



19.9008, 0.1472, 0.3533

Square

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



19.9008, 0.5596, 0.3494



19.9008, 0.3339, 0.5754



19.9008, 0.1158, 0.2293



19.9008, 0.2442, 0.1682

Rectangle

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



19.9008, 0.5596, 0.3494



19.9008, 0.4758, 0.4918



19.9008, 0.1158, 0.2293



19.9008, 0.1446, 0.1549

Sweetspot

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



19.9020, 0.5596, 0.3494



68.6228, 0.3586, 0.3374



21.1580, 0.3473, 0.1838



13.8103, 0.3679, 0.3388



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.



19.9020, 0.5596, 0.3494



23.8106, 0.6136, 0.3428



39.0532, 0.4664, 0.4394



13.3371, 0.3288, 0.3323



9.5712, 0.6272, 0.3402



0.7148, 0.6011, 0.3609

Inverse Universe

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



44.7884, 0.2211, 0.2956



60.1078, 0.2143, 0.2880



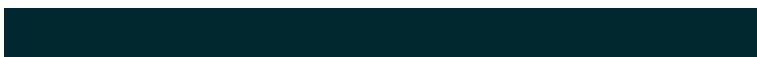
17.2469, 0.1868, 0.1633



14.5101, 0.2982, 0.3257



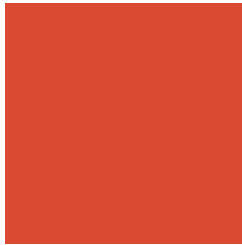
24.7471, 0.2126, 0.2853



1.6888, 0.2148, 0.2931

Previews

White Background



This preview shows how the Yxy color 19.9008, 0.5596, 0.3494 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 19.9008, 0.5596, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

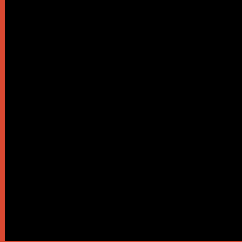
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9008, 0.5596, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 19.9008, 0.5596, 0.3494.



This preview shows how white text looks on a background with the Yxy color 19.9008, 0.5596, 0.3494.

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

19.9008, 0.5596, 0.3494

Protanopia

20.1153, 0.3974, 0.4326

Deuteranopia

20.0719, 0.4509, 0.4445



Tritanopia

19.9348, 0.5335, 0.3258

Trichromacy



Original Color

19.9008, 0.5596, 0.3494

Protanomaly

18.5364, 0.4610, 0.3957

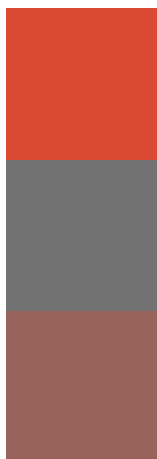
Deuteranomaly

19.1421, 0.4965, 0.4036

Tritanomaly

19.9482, 0.5448, 0.3352

Monochromacy



Original Color

19.9008, 0.5596, 0.3494

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.3544, 0.4047, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9008, 0.5596, 0.3494 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, 73, 50)` looks like.

```
.text, #text, p{  
    color:rgb(218, 73, 50)  
}
```

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, 73, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 73, 50) }
```

Border

The CSS property to change the border of an element to Yxy 19.9008, 0.5596, 0.3494 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, 73, 50) }
```

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

```
.border{ border-color:rgb(218, 73, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 73, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 73, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 73, 50);  
box-shadow:4px 4px 4px 4px rgb(218, 73,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9008, 0.5596, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 73, 50) }
```

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

```
.background{ background-color: rgb(218, 73,  
50) }
```

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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