

Converting Colors

$Y_{xy}(19.9682, 0.5555, 0.3554)$

Have a look what the booklet for
Yxy(19.9682, 0.5555, 0.3554)
contains.

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Color

Yxy(19.9682, 0.5555, 0.3554)

Conversions

Conversions Part 1

Format	Color
Hex	D74D30
RGB	215, 77, 48
RGB Percent	84%, 30%, 19%
CMY	0.1569, 0.6980, 0.8117
CMYK	0.00, 0.64, 0.78, 0.16
HSL	10°, 68%, 52%
HSV	10°, 78%, 84%
XYZ	31.2108, 19.9682, 5.0061
YIQ	114.9560, 91.5570, 20.2370

Conversions

Conversions Part 2

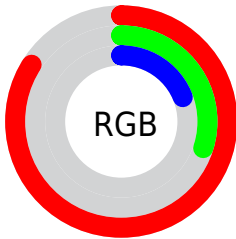
Format	Color
R _Y B	215, 83, 48
Decimal	14110000
CIE Lab	51.80, 52.71, 45.25
CIE LCh	52, 69.465, 40.647
Yxy	19.9682, 0.5555, 0.3554
Android (android.graphics.Color)	4292300080 (0xFFD74D30)
YUV	114.9560, -33.0093, 87.7386
Hunter-Lab	44.6858, 46.4734, 24.6379

Details

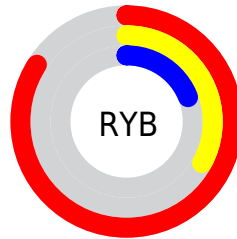
The Yxy color **19.9682, 0.5555, 0.3554** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **40.6473, 0.2183, 0.2859**, and the grayscale version is **17.2134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6071, 0.4868, 0.3642**, and **6.9632, 0.6322, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **17.6767, 0.5921, 0.3513**, and if you desaturate by 10%, it is **23.0268, 0.5135, 0.3563**.

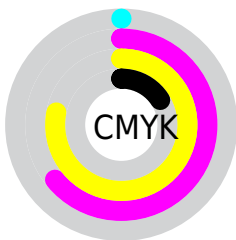
Distribution



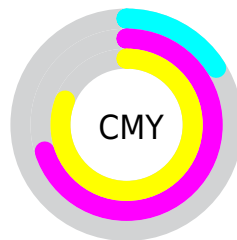
- Red (84%)
- Green (30%)
- Blue (19%)



- Red (84%)
- Yellow (33%)
- Blue (19%)



- Cyan (0%)
- Magenta (64%)
- Yellow (78%)
- Black (16%)




- Cyan (16%)
- Magenta (70%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9682, 0.5555, 0.3554 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 19.9682, 0.5555, 0.3554 by changing the saturation by 10% instead.


 19.9682, 0.5555,
0.3554


 19.9682, 0.5555,
0.3554


251.7429, 0.4216,
0.3546


 12.3719, 0.5895,
0.3487


 43.3639, 0.5054,
0.3596


 6.9975, 0.6321,
0.3358


 59.9320, 0.4869,
0.3597

 3.4605, 0.6878,
0.3122

 80.2597, 0.4713,
0.3593

 1.3766, 0.7394,
0.2606

 104.7311, 0.4582,
0.3585

 0.1994, 0.8921,
0.1079

 133.7307, 0.4471,
0.3576

 0.0000, 1.0000,
0.0000

 167.6430, 0.4374,

 0.0000, 0.0000,

0.3566

0.0000

206.8523, 0.4290,
0.3556

■ 19.9682, 0.5555,
0.3554

■ 19.9682, 0.5555,
0.3554

■ 17.6767, 0.5921,
0.3513

■ 23.0268, 0.5135,
0.3563

■ 16.0768, 0.6185,
0.3445

■ 26.9102, 0.4713,
0.3546

■ 15.7911, 0.6235,
0.3431

■ 31.6747, 0.4323,
0.3511


■ 37.3703, 0.3982,
0.3466

■ 44.0433, 0.3693,
0.3418

 51.7368, 0.3453,
0.3370

 60.4916, 0.3255,
0.3323

 70.3458, 0.3092,
0.3280

 81.3361, 0.2958,
0.3241

Harmonies

Analogous

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



19.9682, 0.5023, 0.2815



19.9682, 0.5555, 0.3554



19.9682, 0.5221, 0.4375

Triad

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



19.9682, 0.5555, 0.3554



19.9682, 0.2210, 0.4981



19.9682, 0.1687, 0.1560

Complementary

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



19.9682, 0.5555, 0.3554



40.6473, 0.2183, 0.2859

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.



19.9682, 0.1263, 0.1700



19.9682, 0.5555, 0.3554



19.9682, 0.1467, 0.3429

Square

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



19.9682, 0.5555, 0.3554



19.9682, 0.3271, 0.5701



19.9682, 0.1182, 0.2258



19.9682, 0.2529, 0.1727

Rectangle

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



19.9682, 0.5555, 0.3554



19.9682, 0.4678, 0.4961



19.9682, 0.1182, 0.2258



19.9682, 0.1504, 0.1570

Sweetspot

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



19.9694, 0.5555, 0.3554



69.6635, 0.3581, 0.3396



20.1556, 0.3551, 0.1880



14.0553, 0.3672, 0.3414



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.



19.9694, 0.5555, 0.3554



24.4357, 0.6098, 0.3472



39.5704, 0.4616, 0.4453



12.7660, 0.3287, 0.3331



9.5534, 0.6214, 0.3448



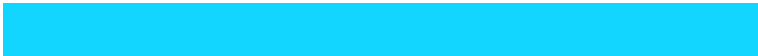
0.6847, 0.5900, 0.3697

Inverse Universe

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



40.6473, 0.2183, 0.2859



55.3419, 0.2107, 0.2757



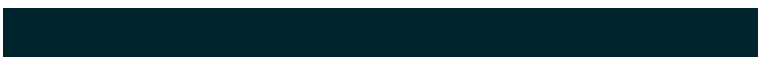
15.3687, 0.1839, 0.1536



13.7237, 0.2983, 0.3249



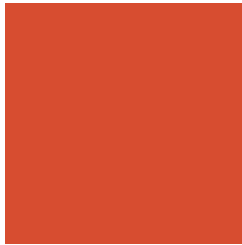
22.0352, 0.2092, 0.2729



1.4279, 0.2121, 0.2836

Previews

White Background



This preview shows how the Yxy color 19.9682, 0.5555, 0.3554 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 19.9682, 0.5555, 0.3554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

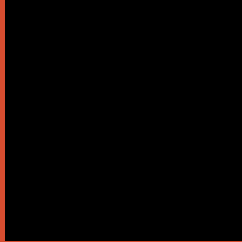
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9682, 0.5555, 0.3554

Background



This preview shows how black text looks on a background with the Yxy color 19.9682, 0.5555, 0.3554.



This preview shows how white text looks on a background with the Yxy color 19.9682, 0.5555, 0.3554.

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

19.9682, 0.5555, 0.3554

Protanopia

20.0815, 0.4004, 0.4371

Deuteranopia

20.1584, 0.4536, 0.4456



Tritanopia

19.9141, 0.5228, 0.3246

Trichromacy



Original Color

19.9682, 0.5555, 0.3554

Protanomaly

18.8101, 0.4608, 0.4029

Deuteranomaly

19.2077, 0.4958, 0.4073

Tritanomaly

19.9017, 0.5372, 0.3364

Monochromacy



Original Color

19.9682, 0.5555, 0.3554

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.6420, 0.4019, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9682, 0.5555, 0.3554 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(215, 77, 48)` looks like.

```
.text, #text, p{  
    color:rgb(215, 77, 48)  
}
```

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(215, 77, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 77, 48) }
```

Border

The CSS property to change the border of an element to Yxy 19.9682, 0.5555, 0.3554 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(215, 77, 48) }
```

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

```
.border{ border-color:rgb(215, 77, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 77, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 77, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 77, 48);  
box-shadow:4px 4px 4px 4px rgb(215, 77,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9682, 0.5555, 0.3554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 77, 48) }
```

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

```
.background{ background-color: rgb(215, 77,  
48) }
```

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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