

Converting Colors

$Y_{xy}(19.9688, 0.5597, 0.3619)$

Have a look what the booklet for
Yxy(19.9688, 0.5597, 0.3619)
contains.

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Color

Yxy(19.9050, 0.5603, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	D64E29
RGB	214, 78, 41
RGB Percent	84%, 31%, 16%
CMY	0.1607, 0.6942, 0.8392
CMYK	0.00, 0.64, 0.81, 0.16
HSL	13°, 68%, 50%
HSV	13°, 81%, 84%
XYZ	30.8599, 19.9050, 4.3126
YIQ	114.4460, 92.9330, 17.3250

Conversions

Conversions Part 2

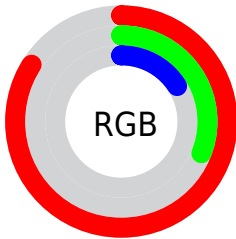
Format	Color
RYB	214, 88, 41
Decimal	14044713
CIELab	51.73, 51.72, 48.60
CIElCh	52, 70.969, 43.221
Yxy	19.9050, 0.5603, 0.3614
Android (android.graphics.Color)	4292234793 (0xFFD64E29)
YUV	114.4460, -36.2089, 87.3089
Hunter-Lab	44.6150, 45.3910, 25.4994

Details

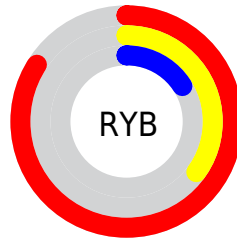
The Yxy color **19.9050, 0.5603, 0.3614** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **36.7791, 0.2135, 0.2729**, and the grayscale version is **17.0577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4838, 0.4934, 0.3702**, and **6.9499, 0.6299, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **17.7029, 0.5938, 0.3559**, and if you desaturate by 10%, it is **22.8021, 0.5207, 0.3632**.

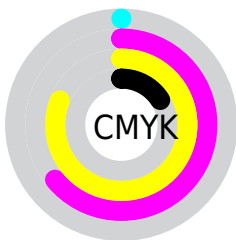
Distribution



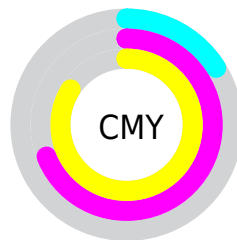
- Red (84%)
- Green (31%)
- Blue (16%)



- Red (84%)
- Yellow (35%)
- Blue (16%)



- Cyan (0%)
- Magenta (64%)
- Yellow (81%)
- Black (16%)





- Cyan (16%)
- Magenta (69%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9050, 0.5603, 0.3614 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 19.9050, 0.5603, 0.3614 by changing the saturation by 10% instead.


 19.9050, 0.5603,
0.3614


 19.9050, 0.5603,
0.3614


251.4004, 0.4249,
0.3587


 12.3260, 0.5938,
0.3545


 43.2579, 0.5102,
0.3654


 6.9661, 0.6370,
0.3420


 59.8005, 0.4914,
0.3653


 3.4409, 0.6852,
0.3148

 80.0998, 0.4757,
0.3646

 1.3660, 0.7365,
0.2635

 104.5402, 0.4623,
0.3635

 0.1915, 0.8931,
0.1069

 133.5061, 0.4509,
0.3624

 0.0000, 1.0000,
0.0000

 167.3818, 0.4410,

 0.0000, 0.0000,

0.3612

0.0000

206.5518, 0.4324,
0.3599

■ 19.9050, 0.5603,
0.3614

■ 19.9050, 0.5603,
0.3614

■ 17.7029, 0.5938,
0.3559

■ 22.8021, 0.5207,
0.3632

■ 16.2343, 0.6165,
0.3487


■ 26.4449, 0.4797,
0.3616


■ 30.8830, 0.4411,
0.3577

■ 36.1607, 0.4066,
0.3525

■ 42.3188, 0.3769,
0.3466

 49.3956, 0.3520,
0.3406

 57.4270, 0.3312,
0.3348

 66.4468, 0.3140,
0.3294

 76.4874, 0.2998,
0.3245

Harmonies

Analogous

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



19.9050, 0.5147, 0.2863



19.9050, 0.5603, 0.3614



19.9050, 0.5190, 0.4455

Triad

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



19.9050, 0.5603, 0.3614



19.9050, 0.2105, 0.4903



19.9050, 0.1718, 0.1537

Complementary

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



19.9050, 0.5603, 0.3614



36.7791, 0.2135, 0.2729

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.



19.9050, 0.1258, 0.1646



19.9050, 0.5603, 0.3614



19.9050, 0.1395, 0.3299

Square

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



19.9050, 0.5603, 0.3614



19.9050, 0.3166, 0.5751



19.9050, 0.1146, 0.2163



19.9050, 0.2610, 0.1730

Rectangle

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



19.9050, 0.5603, 0.3614



19.9050, 0.4610, 0.5055



19.9050, 0.1146, 0.2163



19.9050, 0.1521, 0.1537

Sweetspot

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



19.9062, 0.5603, 0.3614



69.7167, 0.3599, 0.3426



19.1554, 0.3653, 0.1906



14.1140, 0.3689, 0.3448



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.



19.9062, 0.5603, 0.3614



24.5654, 0.6116, 0.3500



40.3381, 0.4608, 0.4526



12.8469, 0.3286, 0.3341



9.9353, 0.6142, 0.3505



0.7224, 0.5805, 0.3773

Inverse Universe

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



36.7791, 0.2135, 0.2729



49.5617, 0.2058, 0.2595



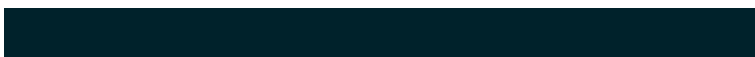
13.1383, 0.1778, 0.1378



13.6361, 0.2982, 0.3239



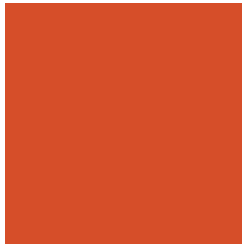
20.0726, 0.2053, 0.2591



1.3257, 0.2090, 0.2725

Previews

White Background



This preview shows how the Yxy color 19.9050, 0.5603, 0.3614 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 19.9050, 0.5603, 0.3614 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 19.9050, 0.5603, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 19.9050, 0.5603, 0.3614.



This preview shows how white text looks on a background with the Yxy color 19.9050, 0.5603, 0.3614.

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

19.9050, 0.5603, 0.3614

Protanopia

20.0849, 0.4093, 0.4479

Deuteranopia

20.1086, 0.4593, 0.4528



Tritanopia

19.8947, 0.5211, 0.3255

Trichromacy



Original Color

19.9050, 0.5603, 0.3614

Protanomaly

18.8441, 0.4704, 0.4115

Deuteranomaly

19.1574, 0.5020, 0.4135

Tritanomaly

19.8609, 0.5381, 0.3393

Monochromacy



Original Color

19.9050, 0.5603, 0.3614

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.4795, 0.4064, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9050, 0.5603, 0.3614 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, 78, 41)` looks like.

```
.text, #text, p{  
    color:rgb(214, 78, 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, 78, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 78, 41) }
```

Border

The CSS property to change the border of an element to Yxy 19.9050, 0.5603, 0.3614 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, 78, 41) }
```

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

```
.border{ border-color:rgb(214, 78, 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, 78, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 78, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 78, 41);  
box-shadow:4px 4px 4px 4px rgb(214, 78,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9050, 0.5603, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 78, 41) }
```

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

```
.background{ background-color: rgb(214, 78,  
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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