

Converting Colors

$Y_{xy}(20.6699, 0.5420, 0.3476)$

Have a look what the booklet for
Yxy(20.6699, 0.5420, 0.3476)
contains.

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Color

Yxy(20.6699, 0.5420, 0.3476)

Conversions

Conversions Part 1

Format	Color
Hex	D94F3C
RGB	217, 79, 60
RGB Percent	85%, 31%, 24%
CMY	0.1490, 0.6902, 0.7647
CMYK	0.00, 0.64, 0.72, 0.15
HSL	7°, 67%, 54%
HSV	7°, 72%, 85%
XYZ	32.2298, 20.6699, 6.5649
YIQ	118.0960, 88.3470, 23.3470

Conversions

Conversions Part 2

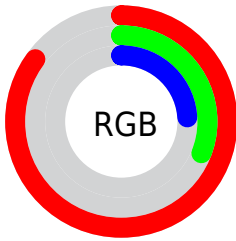
Format	Color
RYB	217, 82, 60
Decimal	14241596
CIELab	52.59, 53.04, 39.83
CIELCh	53, 66.325, 36.905
Yxy	20.6699, 0.5420, 0.3476
Android (android.graphics.Color)	4292431676 (0xFFD94F3C)
YUV	118.0960, -28.6413, 86.7388
Hunter-Lab	45.4642, 46.9775, 23.2636

Details

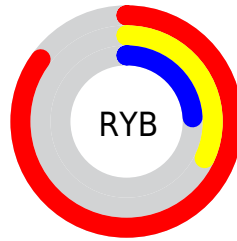
The Yxy color **20.6699, 0.5420, 0.3476** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **46.3648, 0.2250, 0.3016**, and the grayscale version is **18.2186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3929, 0.4732, 0.3552**, and **7.3736, 0.6180, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **18.1188, 0.5832, 0.3455**, and if you desaturate by 10%, it is **24.1067, 0.4974, 0.3475**.

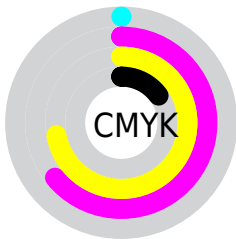
Distribution



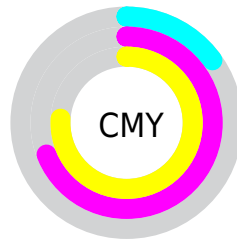
- Red (85%)
- Green (31%)
- Blue (24%)



- Red (85%)
- Yellow (32%)
- Blue (24%)



- Cyan (0%)
- Magenta (64%)
- Yellow (72%)
- Black (15%)




- Cyan (15%)
- Magenta (69%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6699, 0.5420, 0.3476 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 20.6699, 0.5420, 0.3476 by changing the saturation by 10% instead.


 20.6699, 0.5420,
0.3476


 20.6699, 0.5420,
0.3476


255.5190, 0.4146,
0.3486


 12.8829, 0.5755,
0.3418


 44.5375, 0.4937,
0.3516

 7.3480, 0.6179,
0.3302


 61.3869, 0.4760,
0.3519


 3.6807, 0.6856,
0.3144

 82.0260, 0.4614,
0.3518

 1.4966, 0.7356,
0.2644

 106.8390, 0.4490,
0.3513

 0.2863, 0.8624,
0.1376

 136.2104, 0.4385,
0.3507

 0.0000, 1.0000,
0.0000

 170.5246, 0.4294,

 0.0000, 0.0000,

0.3500

0.0000

210.1660, 0.4215,
0.3493

■ 20.6699, 0.5420,
0.3476

■ 20.6699, 0.5420,
0.3476

■ 18.1188, 0.5832,
0.3455

■ 24.1067, 0.4974,
0.3475

■ 16.3681, 0.6148,
0.3411

■ 28.4974, 0.4545,
0.3457

■ 15.5042, 0.6308,
0.3373


■ 33.9073, 0.4163,
0.3429


■ 40.3952, 0.3837,
0.3396

■ 48.0151, 0.3567,
0.3362

 56.8177, 0.3345,
0.3328

 66.8503, 0.3165,
0.3297

 78.1579, 0.3017,
0.3268

 90.7632, 0.2898,
0.3245

Harmonies

Analogous

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



20.6699, 0.4799, 0.2762



20.6699, 0.5420, 0.3476



20.6699, 0.5214, 0.4260

Triad

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



20.6699, 0.5420, 0.3476



20.6699, 0.2385, 0.5021



20.6699, 0.1677, 0.1629

Complementary

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



20.6699, 0.5420, 0.3476



46.3648, 0.2250, 0.3016

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.



20.6699, 0.1308, 0.1814



20.6699, 0.5420, 0.3476



20.6699, 0.1611, 0.3609

Square

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



20.6699, 0.5420, 0.3476



20.6699, 0.3424, 0.5561



20.6699, 0.1273, 0.2423



20.6699, 0.2437, 0.1755

Rectangle

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



20.6699, 0.5420, 0.3476



20.6699, 0.4742, 0.4812



20.6699, 0.1273, 0.2423



20.6699, 0.1515, 0.1653

Sweetspot

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



20.6711, 0.5420, 0.3476



69.3717, 0.3563, 0.3361



22.0941, 0.3416, 0.1863



14.1681, 0.3631, 0.3371



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.



20.6711, 0.5420, 0.3476



24.6019, 0.6019, 0.3433



39.1339, 0.4595, 0.4337



13.3040, 0.3289, 0.3319



9.4656, 0.6292, 0.3386



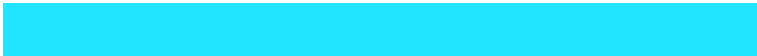
0.6991, 0.6051, 0.3577

Inverse Universe

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



46.3648, 0.2250, 0.3016



63.1174, 0.2172, 0.2950



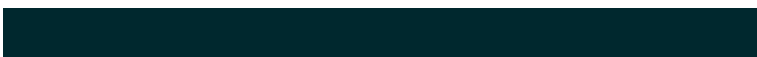
19.4482, 0.1941, 0.1786



14.5465, 0.2982, 0.3261



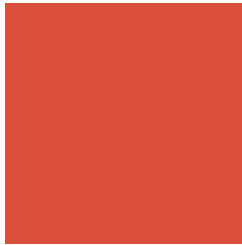
25.6247, 0.2141, 0.2906



1.7375, 0.2159, 0.2974

Previews

White Background



This preview shows how the Yxy color 20.6699, 0.5420, 0.3476 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 20.6699, 0.5420, 0.3476 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 20.6699, 0.5420, 0.3476

Background



This preview shows how black text looks on a background with the Yxy color 20.6699, 0.5420, 0.3476.



This preview shows how white text looks on a background with the Yxy color 20.6699, 0.5420, 0.3476.

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

20.6699, 0.5420, 0.3476

Protanopia

20.8468, 0.3854, 0.4174

Deuteranopia

20.8401, 0.4412, 0.4333



Tritanopia

20.6684, 0.5179, 0.3245

Trichromacy



Original Color

20.6699, 0.5420, 0.3476

Protanomaly

19.5950, 0.4458, 0.3881

Deuteranomaly

19.9532, 0.4831, 0.3965

Tritanomaly

20.6942, 0.5283, 0.3336

Monochromacy



Original Color

20.6699, 0.5420, 0.3476

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.6337, 0.3952, 0.3411

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6699, 0.5420, 0.3476 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(217, 79, 60)` looks like.

```
.text, #text, p{  
    color:rgb(217, 79, 60)  
}
```

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(217, 79, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 79, 60) }
```

Border

The CSS property to change the border of an element to Yxy 20.6699, 0.5420, 0.3476 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(217, 79, 60) }
```

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

```
.border{ border-color:rgb(217, 79, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 79, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 79, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 79, 60);  
box-shadow:4px 4px 4px 4px rgb(217, 79,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6699, 0.5420, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 79, 60) }
```

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

```
.background{ background-color: rgb(217, 79,  
60) }
```

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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