

Converting Colors

$Y_{xy}(20.1216, 0.4988, 0.3252)$

Have a look what the booklet for
Yxy(20.1216, 0.4988, 0.3252)
contains.

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Color

Yxy(20.0960, 0.4995, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	D15155
RGB	209, 81, 85
RGB Percent	82%, 32%, 33%
CMY	0.1804, 0.6823, 0.6667
CMYK	0.00, 0.61, 0.59, 0.18
HSL	358°, 58%, 57%
HSV	358°, 61%, 82%
XYZ	30.8765, 20.0960, 10.8423
YIQ	119.7280, 75.0040, 28.3800

Conversions

Conversions Part 2

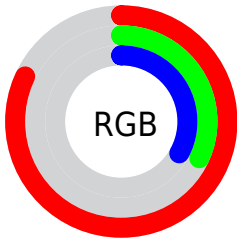
Format	Color
R _Y B	209, 81, 85
Decimal	13717845
CIE Lab	51.95, 50.85, 24.45
CIE LCh	52, 56.419, 25.678
Yxy	20.0960, 0.4995, 0.3251
Android (android.graphics.Color)	4291907925 (0xFFD15155)
YUV	119.7280, -17.1209, 78.2915
Hunter-Lab	44.8286, 44.4952, 17.0400

Details

The Yxy color **20.0960, 0.4995, 0.3251** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted red. A complement of this color would be **51.7604, 0.2405, 0.3344**, and the grayscale version is **18.7293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.3372, 0.4432, 0.3294**, and **7.1166, 0.5712, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **17.1771, 0.5467, 0.3254**, and if you desaturate by 10%, it is **24.0649, 0.4543, 0.3254**.

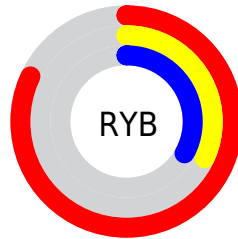
Distribution



Red (82%)

Green (32%)

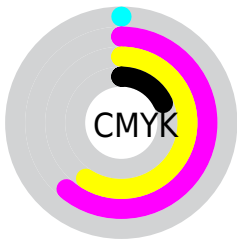
Blue (33%)



Red (82%)

Yellow (32%)

Blue (33%)

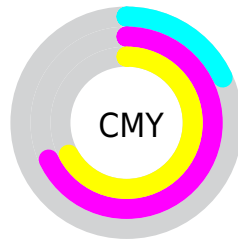


Cyan (0%)

Magenta (61%)

Yellow (59%)

Black (18%)



Cyan (18%)


Magenta (68%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0960, 0.4995, 0.3251 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 20.0960, 0.4995, 0.3251 by changing the saturation by 10% instead.


 20.0960, 0.4995,
0.3251


 20.0960, 0.4995,
0.3251


252.4343, 0.3931,
0.3332


 12.4648, 0.5301,
0.3199


 43.5781, 0.4577,
0.3301


 7.0611, 0.5712,
0.3106


 60.1978, 0.4430,
0.3313


 3.5003, 0.6282,
0.2934

 80.5825, 0.4309,
0.3321

 1.3982, 0.7322,
0.2678

 105.1165, 0.4208,
0.3326

 0.2154, 0.8815,
0.1185

 134.1844, 0.4123,
0.3329

 0.0000, 1.0000,
0.0000

168.1703, 0.4050,

 0.0000, 0.0000,

0.3331

0.0000

207.4589, 0.3986,
0.3332

■ 20.0960, 0.4995,
0.3251

■ 20.0960, 0.4995,
0.3251

■ 17.1771, 0.5467,
0.3254

■ 24.0649, 0.4543,
0.3254

■ 15.2057, 0.5898,
0.3262

■ 29.1669, 0.4144,
0.3259

■ 14.0651, 0.6215,
0.3276

■ 35.4808, 0.3810,
0.3266

■ 13.5698, 0.6373,
0.3284

■ 43.0773, 0.3539,
0.3274

■ 52.0218, 0.3321,
0.3282

■ 62.3751, 0.3146,
0.3289

■ 74.1943, 0.3006,
0.3296

■ 87.5336, 0.2894,
0.3302

■ 92.2956, 0.2855,
0.3289

Harmonies

Analogous

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



20.0960, 0.4213, 0.2616



20.0960, 0.4995, 0.3251



20.0960, 0.5113, 0.3948

Triad

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



20.0960, 0.4995, 0.3251



20.0960, 0.2846, 0.5035



20.0960, 0.1672, 0.1838

Complementary

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



20.0960, 0.4995, 0.3251



51.7604, 0.2405, 0.3344

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.



20.0960, 0.1449, 0.2152



20.0960, 0.4995, 0.3251



20.0960, 0.2025, 0.4039

Square

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



20.0960, 0.4995, 0.3251



20.0960, 0.3793, 0.5184



20.0960, 0.1551, 0.2891



20.0960, 0.2230, 0.1845

Rectangle

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



20.0960, 0.4995, 0.3251



20.0960, 0.4840, 0.4428



20.0960, 0.1551, 0.2891



20.0960, 0.1562, 0.1903

Sweetspot

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



20.0971, 0.4995, 0.3251



71.5894, 0.3468, 0.3276



23.4310, 0.3146, 0.1863



14.4860, 0.3537, 0.3274



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.



20.0971, 0.4995, 0.3251



26.0008, 0.5586, 0.3255



33.1223, 0.4511, 0.4010



11.8141, 0.3286, 0.3283



8.3693, 0.6364, 0.3280



0.4701, 0.6246, 0.3214

Inverse Universe

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



20.0971, 0.4995, 0.3251



26.0008, 0.5586, 0.3255



27.9339, 0.2178, 0.2368



11.8141, 0.3286, 0.3283



8.3693, 0.6364, 0.3280



0.4701, 0.6246, 0.3214

Previews

White Background



This preview shows how the Yxy color 20.0960, 0.4995, 0.3251 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 20.0960, 0.4995, 0.3251 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 20.0960, 0.4995, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 20.0960, 0.4995, 0.3251.



This preview shows how white text looks on a background with the Yxy color 20.0960, 0.4995, 0.3251.

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

20.0960, 0.4995, 0.3251

Protanopia

20.2401, 0.3448, 0.3660

Deuteranopia

20.2422, 0.4033, 0.3965



Tritanopia

20.1121, 0.4980, 0.3239

Trichromacy



Original Color

20.0960, 0.4995, 0.3251

Protanomaly

18.9591, 0.3996, 0.3473

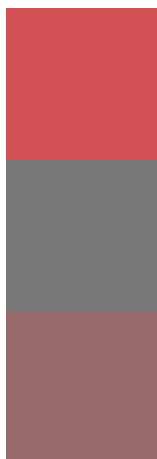
Deuteranomaly

19.3552, 0.4404, 0.3653

Tritanomaly

20.1121, 0.4980, 0.3239

Monochromacy



Original Color

20.0960, 0.4995, 0.3251

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.0450, 0.3767, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0960, 0.4995, 0.3251 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(209, 81, 85)` looks like.

```
.text, #text, p{  
    color:rgb(209, 81, 85)  
}
```

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(209, 81, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 81, 85) }
```

Border

The CSS property to change the border of an element to Yxy 20.0960, 0.4995, 0.3251 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(209, 81, 85) }
```

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

```
.border{ border-color:rgb(209, 81, 85) }
```

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

Here you see how a box with a 4 pixel rgb(209, 81, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 81, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 81, 85);  
box-shadow:4px 4px 4px 4px rgb(209, 81,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0960, 0.4995, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 81, 85) }
```

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

```
.background{ background-color: rgb(209, 81,  
85) }
```

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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