

Converting Colors

$Y_{xy}(20.5811, 0.5472, 0.3565)$

Have a look what the booklet for
Yxy(20.5811, 0.5472, 0.3565)
contains.

| | |
|---|----|
| Yxy(20.5799, 0.5472, 0.3565) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(20.5799, 0.5472, 0.3565)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | D75134 |
| RGB | 215, 81, 52 |
| RGB Percent | 84%, 32%, 20% |
| CMY | 0.1568, 0.6824, 0.7960 |
| CMYK | 0.00, 0.62, 0.76, 0.16 |
| HSL | 11°, 67%, 52% |
| HSV | 11°, 76%, 84% |
| XYZ | 31.5886, 20.5799, 5.5592 |
| YIQ | 117.7600, 89.1730, 19.3890 |

Conversions

Conversions Part 2

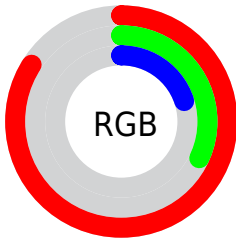
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 215, 87, 52 |
| Decimal | 14111028 |
| CIE Lab | 52.49, 51.14, 43.88 |
| CIE LCh | 52, 67.386, 40.635 |
| Yxy | 20.5799, 0.5472, 0.3565 |
| Android (android.graphics.Color) | 4292301108 (0xFFD75134) |
| YUV | 117.7600, -32.4197, 85.2795 |
| Hunter-Lab | 45.3651, 44.9040, 24.4900 |

Details

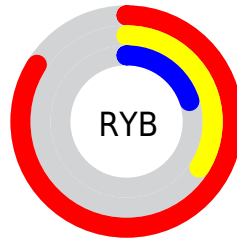
The Yxy color **20.5799, 0.5472, 0.3565** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **40.7686, 0.2192, 0.2860**, and the grayscale version is **18.1213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5080, 0.4805, 0.3636**, and **7.3196, 0.6219, 0.3389** is the 20% darker color. If you saturate the color by 10%, you get **18.1352, 0.5851, 0.3530**, and if you desaturate by 10%, it is **23.7990, 0.5050, 0.3569**.

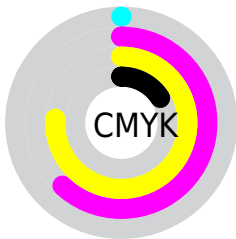
Distribution



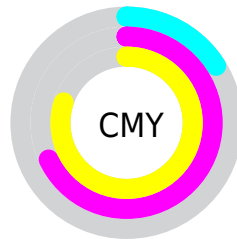
- Red (84%)
- Green (32%)
- Blue (20%)



- Red (84%)
- Yellow (34%)
- Blue (20%)



- Cyan (0%)
- Magenta (62%)
- Yellow (76%)
- Black (16%)




- Cyan (16%)
- Magenta (68%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5799, 0.5472, 0.3565 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 20.5799, 0.5472, 0.3565 by changing the saturation by 10% instead.


 20.5799, 0.5472,
0.3565


 20.5799, 0.5472,
0.3565


255.0374, 0.4179,
0.3541


 12.8173, 0.5803,
0.3508


 44.3873, 0.4987,
0.3597

 7.3028, 0.6215,
0.3391


 61.2009, 0.4808,
0.3596


 3.6522, 0.6803,
0.3197

 81.8002, 0.4658,
0.3590

 1.4810, 0.7298,
0.2702

 106.5698, 0.4532,
0.3581

 0.2753, 0.8608,
0.1392

 135.8938, 0.4424,
0.3571

 0.0000, 1.0000,
0.0000


 170.1569, 0.4331,


 0.0000, 0.0000,


0.3561

0.0000


209.7433, 0.4250,
0.3551


 20.5799, 0.5472,
0.3565

 20.5799, 0.5472,
0.3565

 18.1352, 0.5851,
0.3530

 23.7990, 0.5050,
0.3569

 16.3941, 0.6136,
0.3464


 27.8479, 0.4633,
0.3547

 15.8486, 0.6229,
0.3436

 32.7812, 0.4253,
0.3508


 38.6474, 0.3923,
0.3461

 45.4915, 0.3644,
0.3412

 53.3558, 0.3413,
0.3362

 62.2797, 0.3222,
0.3316

 72.3009, 0.3065,
0.3272

 83.4550, 0.2935,
0.3233

Harmonies

Analogous

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



20.5799, 0.4950, 0.2838



20.5799, 0.5472, 0.3565



20.5799, 0.5166, 0.4367

Triad

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



20.5799, 0.5472, 0.3565



20.5799, 0.2251, 0.4903



20.5799, 0.1730, 0.1609

Complementary

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



20.5799, 0.5472, 0.3565



40.7686, 0.2192, 0.2860

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.



20.5799, 0.1313, 0.1750



20.5799, 0.5472, 0.3565



20.5799, 0.1522, 0.3432

Square

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



20.5799, 0.5472, 0.3565



20.5799, 0.3286, 0.5603



20.5799, 0.1236, 0.2300



20.5799, 0.2552, 0.1771

Rectangle

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



20.5799, 0.5472, 0.3565



20.5799, 0.4648, 0.4927



20.5799, 0.1236, 0.2300



20.5799, 0.1551, 0.1619

Sweetspot

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



20.5811, 0.5472, 0.3565



69.7790, 0.3580, 0.3399



20.5304, 0.3539, 0.1896



14.0826, 0.3671, 0.3417



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.



20.5811, 0.5472, 0.3565



25.0114, 0.6038, 0.3493



40.0740, 0.4582, 0.4442



12.7742, 0.3287, 0.3332



9.5886, 0.6207, 0.3453



0.6885, 0.5890, 0.3705

Inverse Universe

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



40.7686, 0.2192, 0.2860



55.3666, 0.2111, 0.2757



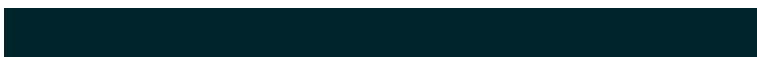
16.0183, 0.1864, 0.1582



13.7148, 0.2983, 0.3248



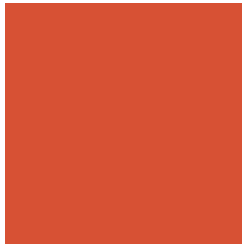
21.8303, 0.2088, 0.2715



1.4173, 0.2118, 0.2825

Previews

White Background



This preview shows how the Yxy color 20.5799, 0.5472, 0.3565 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 20.5799, 0.5472, 0.3565 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 20.5799, 0.5472, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 20.5799, 0.5472, 0.3565.



This preview shows how white text looks on a background with the Yxy color 20.5799, 0.5472, 0.3565.

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

20.5799, 0.5472, 0.3565

Protanopia

20.8040, 0.3973, 0.4329

Deuteranopia

20.5362, 0.4491, 0.4405



Tritanopia

20.5159, 0.5138, 0.3244

Trichromacy



Original Color

20.5799, 0.5472, 0.3565

Protanomaly

19.7043, 0.4553, 0.4013

Deuteranomaly

19.7654, 0.4898, 0.4049

Tritanomaly

20.5026, 0.5284, 0.3366

Monochromacy



Original Color

20.5799, 0.5472, 0.3565

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.6836, 0.3976, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5799, 0.5472, 0.3565 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, 81, 52)` looks like.

```
.text, #text, p{  
    color:rgb(215, 81, 52)  
}
```

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, 81, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 81, 52) }
```

Border

The CSS property to change the border of an element to Yxy 20.5799, 0.5472, 0.3565 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, 81, 52) }
```

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

```
.border{ border-color:rgb(215, 81, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 81, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 81, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 81, 52);  
box-shadow:4px 4px 4px 4px rgb(215, 81,  
52) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.5799, 0.5472, 0.3565$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 81, 52) }
```

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

```
.background{ background-color: rgb(215, 81,  
52) }
```

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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