

Converting Colors

$Y_{xy}(20.2425, 0.5425, 0.3672)$

Have a look what the booklet for
Yxy(20.2425, 0.5425, 0.3672)
contains.

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Color

Yxy(20.2707, 0.5413, 0.3675)

Conversions

Conversions Part 1

Format	Color
Hex	D0562F
RGB	208, 86, 47
RGB Percent	82%, 34%, 18%
CMY	0.1842, 0.6628, 0.8156
CMYK	0.00, 0.59, 0.77, 0.18
HSL	15°, 63%, 50%
HSV	15°, 77%, 82%
XYZ	29.8572, 20.2707, 5.0304
YIQ	118.0320, 85.2310, 13.7350

Conversions

Conversions Part 2

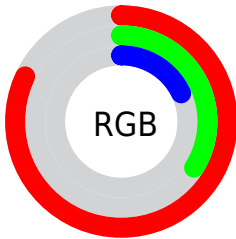
Format	Color
R_{YB}	208, 98, 47
Decimal	13653551
CIE _{Lab}	52.14, 46.18, 45.72
CIE _{LCh}	52, 64.982, 44.716
Yxy	20.2707, 0.5413, 0.3675
Android (android.graphics.Color)	4291843631 (0xFFD0562F)
YUV	118.0320, -35.0188, 78.9019
Hunter-Lab	45.0230, 39.5829, 24.8916

Details

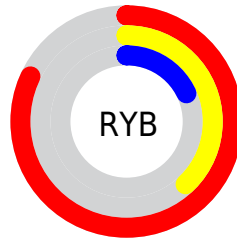
The Yxy color **20.2707, 0.5413, 0.3675** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **33.5532, 0.2140, 0.2683**, and the grayscale version is **18.2193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5698, 0.4812, 0.3712**, and **7.1440, 0.6111, 0.3529** is the 20% darker color. If you saturate the color by 10%, you get **17.8963, 0.5768, 0.3633**, and if you desaturate by 10%, it is **23.2826, 0.5019, 0.3677**.

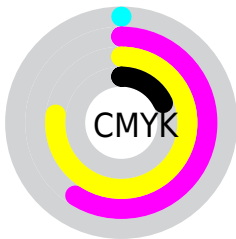
Distribution



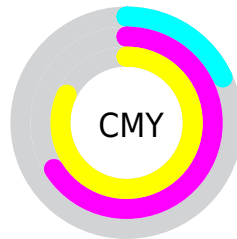
- Red (82%)
- Green (34%)
- Blue (18%)



- Red (82%)
- Yellow (38%)
- Blue (18%)



- Cyan (0%)
- Magenta (59%)
- Yellow (77%)
- Black (18%)




- Cyan (18%)
- Magenta (66%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2707, 0.5413, 0.3675 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 20.2707, 0.5413, 0.3675 by changing the saturation by 10% instead.


 20.2707, 0.5413,
0.3675


 20.2707, 0.5413,
0.3675


253.3768, 0.4155,
0.3591


 12.5920, 0.5732,
0.3631


 43.8706, 0.4942,
0.3686

 7.1482, 0.6133,
0.3532


 60.5605, 0.4768,
0.3676


 3.5549, 0.6664,
0.3336

 81.0229, 0.4622,
0.3663

 1.4279, 0.7144,
0.2856

 105.6423, 0.4499,
0.3648

 0.2371, 0.8605,
0.1395

 134.8030, 0.4394,
0.3633

 0.0000, 1.0000,
0.0000

 168.8894, 0.4303,

 0.0000, 0.0000,

0.3618

0.0000

208.2858, 0.4224,
0.3604

■ 20.2707, 0.5413,
0.3675

■ 20.2707, 0.5413,
0.3675

■ 17.8963, 0.5768,
0.3633

■ 23.2826, 0.5019,
0.3677

■ 16.1053, 0.6044,
0.3554

■ 26.9723, 0.4627,
0.3646

■ 15.7237, 0.6106,
0.3533

■ 31.3804, 0.4265,
0.3595

■ 36.5431, 0.3945,
0.3532

■ 42.4943, 0.3672,
0.3465

■ 49.2657, 0.3441,
0.3398

■ 56.8872, 0.3249,
0.3334

■ 65.3871, 0.3088,
0.3275

■ 74.7926, 0.2954,
0.3220

Harmonies

Analogous

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



20.2707, 0.5014, 0.2948



20.2707, 0.5413, 0.3675



20.2707, 0.5036, 0.4470

Triad

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



20.2707, 0.5413, 0.3675



20.2707, 0.2160, 0.4670



20.2707, 0.1849, 0.1651

Complementary

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



20.2707, 0.5413, 0.3675



33.5532, 0.2140, 0.2683

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.



20.2707, 0.1387, 0.1748



20.2707, 0.5413, 0.3675



20.2707, 0.1500, 0.3250

Square

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



20.2707, 0.5413, 0.3675



20.2707, 0.3151, 0.5508



20.2707, 0.1268, 0.2228



20.2707, 0.2711, 0.1848

Rectangle

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



20.2707, 0.5413, 0.3675



20.2707, 0.4502, 0.5005



20.2707, 0.1268, 0.2228



20.2707, 0.1654, 0.1648

Sweetspot

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



20.2718, 0.5413, 0.3675



71.6250, 0.3572, 0.3437



18.3664, 0.3704, 0.1982



14.5190, 0.3660, 0.3462



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.



20.2718, 0.5413, 0.3675



26.3697, 0.5963, 0.3583



40.5585, 0.4496, 0.4559



12.2663, 0.3285, 0.3347



9.9256, 0.6083, 0.3552



0.6817, 0.5716, 0.3844

Inverse Universe

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



33.5532, 0.2140, 0.2683



47.5513, 0.2046, 0.2533



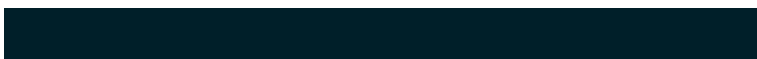
12.4642, 0.1803, 0.1386



12.9019, 0.2983, 0.3232



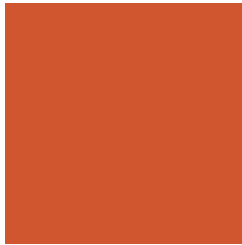
18.1628, 0.2026, 0.2493



1.1347, 0.2071, 0.2657

Previews

White Background



This preview shows how the Yxy color 20.2707, 0.5413, 0.3675 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 20.2707, 0.5413, 0.3675 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 20.2707, 0.5413, 0.3675

Background



This preview shows how black text looks on a background with the Yxy color 20.2707, 0.5413, 0.3675.



This preview shows how white text looks on a background with the Yxy color 20.2707, 0.5413, 0.3675.

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

20.2707, 0.5413, 0.3675

Protanopia

20.4617, 0.4060, 0.4432

Deuteranopia

20.5017, 0.4528, 0.4453



Tritanopia

20.2746, 0.4975, 0.3228

Trichromacy



Original Color

20.2707, 0.5413, 0.3675

Protanomaly

19.5277, 0.4579, 0.4128

Deuteranomaly

19.9056, 0.4892, 0.4133

Tritanomaly

20.2097, 0.5163, 0.3414

Monochromacy



Original Color

20.2707, 0.5413, 0.3675

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.6601, 0.3970, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2707, 0.5413, 0.3675 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(208, 86, 47)` looks like.

```
.text, #text, p{  
    color:rgb(208, 86, 47)  
}
```

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(208, 86, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 86, 47) }
```

Border

The CSS property to change the border of an element to Yxy 20.2707, 0.5413, 0.3675 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(208, 86, 47) }
```

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

```
.border{ border-color:rgb(208, 86, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 86, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 86, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 86, 47);  
box-shadow:4px 4px 4px 4px rgb(208, 86,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2707, 0.5413, 0.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 86, 47) }
```

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

```
.background{ background-color: rgb(208, 86,  
47) }
```

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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