

Converting Colors

$Y_{xy}(21.5850, 0.5325, 0.3763)$

Have a look what the booklet for
Yxy(21.5850, 0.5325, 0.3763)
contains.

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Color

Yxy(21.6205, 0.5318, 0.3766)

Conversions

Conversions Part 1

Format	Color
Hex	D05E2F
RGB	208, 94, 47
RGB Percent	82%, 37%, 18%
CMY	0.1843, 0.6314, 0.8155
CMYK	0.00, 0.55, 0.77, 0.18
HSL	18°, 63%, 50%
HSV	18°, 77%, 82%
XYZ	30.5305, 21.6205, 5.2587
YIQ	122.7280, 83.0310, 9.5510

Conversions

Conversions Part 2

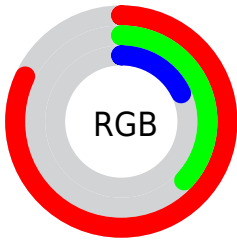
Format	Color
R_{YB}	208, 113, 47
Decimal	13655599
CIE _{Lab}	53.62, 42.33, 47.20
CIE _{LCh}	54, 63.405, 48.114
Yxy	21.6205, 0.5318, 0.3766
Android (android.graphics.Color)	4291845679 (0xFFD05E2F)
YUV	122.7280, -37.3339, 74.7835
Hunter-Lab	46.4978, 35.8319, 25.8430

Details

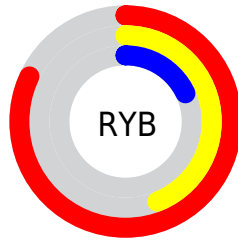
The Yxy color **21.6205, 0.5318, 0.3766** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **30.6705, 0.2105, 0.2551**, and the grayscale version is **19.8198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9720, 0.4748, 0.3793**, and **7.8590, 0.5965, 0.3645** is the 20% darker color. If you saturate the color by 10%, you get **19.1169, 0.5658, 0.3727**, and if you desaturate by 10%, it is **24.7067, 0.4946, 0.3760**.

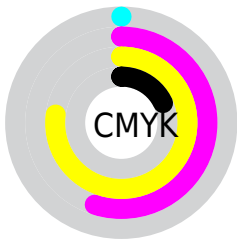
Distribution



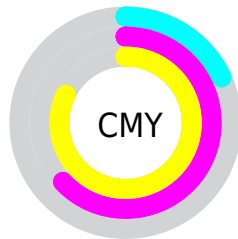
- Red (82%)
- Green (37%)
- Blue (18%)



- Red (82%)
- Yellow (44%)
- Blue (18%)



- Cyan (0%)
- Magenta (55%)
- Yellow (77%)
- Black (18%)





- Cyan (18%)
- Magenta (63%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6205, 0.5318, 0.3766 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 21.6205, 0.5318, 0.3766 by changing the saturation by 10% instead.


 21.6205, 0.5318,
0.3766


 21.6205, 0.5318,
0.3766


260.5580, 0.4125,
0.3628

 13.5783, 0.5616,
0.3740


 46.1180, 0.4875,
0.3755


 7.8280, 0.5985,
0.3663


 63.3420, 0.4710,
0.3738

 3.9851, 0.6487,
0.3513

 84.3955, 0.4572,
0.3718

 1.6652, 0.6917,
0.3083

 109.6628, 0.4455,
0.3699

 0.4010, 0.7949,
0.2051

 139.5283, 0.4354,
0.3680

 0.0000, 1.0000,
0.0000

 174.3764, 0.4267,

 0.0000, 0.0000,

0.3661

0.0000

214.5915, 0.4192,
0.3644

■ 21.6205, 0.5318,
0.3766

■ 21.6205, 0.5318,
0.3766

■ 19.1169, 0.5658,
0.3727

■ 24.7067, 0.4946,
0.3760

■ 17.1498, 0.5931,
0.3645

■ 28.4081, 0.4576,
0.3720

■ 16.7133, 0.5995,
0.3622

■ 32.7590, 0.4232,
0.3656

■ 37.7900, 0.3926,
0.3580

■ 43.5293, 0.3662,
0.3500

■ 50.0039, 0.3437,
0.3420

■ 57.2391, 0.3247,
0.3343

■ 65.2589, 0.3088,
0.3272

■ 74.0863, 0.2954,
0.3206

Harmonies

Analogous

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



21.6205, 0.5015, 0.3047



21.6205, 0.5318, 0.3766



21.6205, 0.4903, 0.4540

Triad

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



21.6205, 0.5318, 0.3766



21.6205, 0.2113, 0.4454



21.6205, 0.1970, 0.1712

Complementary

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



21.6205, 0.5318, 0.3766



30.6705, 0.2105, 0.2551

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.



21.6205, 0.1477, 0.1776



21.6205, 0.5318, 0.3766



21.6205, 0.1515, 0.3122

Square

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



21.6205, 0.5318, 0.3766



21.6205, 0.3051, 0.5364



21.6205, 0.1325, 0.2199



21.6205, 0.2851, 0.1935

Rectangle

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



21.6205, 0.5318, 0.3766



21.6205, 0.4370, 0.5035



21.6205, 0.1325, 0.2199



21.6205, 0.1764, 0.1700

Sweetspot

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



21.6217, 0.5318, 0.3766



73.0802, 0.3565, 0.3467



18.0710, 0.3828, 0.2059



14.8644, 0.3651, 0.3496



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.



21.6217, 0.5318, 0.3766



28.1230, 0.5849, 0.3675



43.5546, 0.4416, 0.4635



12.3621, 0.3283, 0.3358



10.5619, 0.5970, 0.3642



0.7279, 0.5603, 0.3933

Inverse Universe

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



30.6705, 0.2105, 0.2551



42.3928, 0.2000, 0.2367



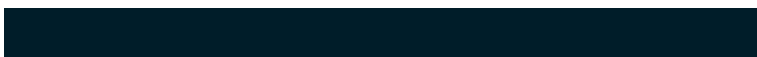
11.1833, 0.1774, 0.1274



12.8003, 0.2983, 0.3221



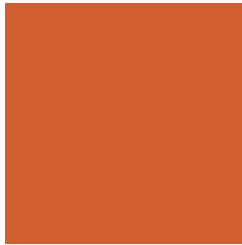
16.0822, 0.1977, 0.2318



1.0325, 0.2033, 0.2518

Previews

White Background



This preview shows how the Yxy color 21.6205, 0.5318, 0.3766 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 21.6205, 0.5318, 0.3766 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 21.6205, 0.5318, 0.3766

Background



This preview shows how black text looks on a background with the Yxy color 21.6205, 0.5318, 0.3766.



This preview shows how white text looks on a background with the Yxy color 21.6205, 0.5318, 0.3766.

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

21.6205, 0.5318, 0.3766

Protanopia

21.8356, 0.4082, 0.4476

Deuteranopia

21.6426, 0.4531, 0.4453



Tritanopia

21.6726, 0.4794, 0.3225

Trichromacy



Original Color

21.6205, 0.5318, 0.3766

Protanomaly

20.9633, 0.4565, 0.4193

Deuteranomaly

21.2205, 0.4839, 0.4179

Tritanomaly

21.5875, 0.5008, 0.3442

Monochromacy



Original Color

21.6205, 0.5318, 0.3766

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.2846, 0.3930, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6205, 0.5318, 0.3766 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, 94, 47)` looks like.

```
.text, #text, p{  
    color:rgb(208, 94, 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, 94, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 94, 47) }
```

Border

The CSS property to change the border of an element to Yxy 21.6205, 0.5318, 0.3766 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, 94, 47) }
```

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

```
.border{ border-color:rgb(208, 94, 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, 94, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 94, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 94, 47);  
box-shadow:4px 4px 4px 4px rgb(208, 94,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6205, 0.5318, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 94, 47) }
```

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

```
.background{ background-color: rgb(208, 94,  
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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