

Converting Colors

$Y_{xy}(20.9505, 0.5361, 0.3780)$

Have a look what the booklet for
Yxy(20.9505, 0.5361, 0.3780)
contains.

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Color

Yxy(20.9505, 0.5361, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	CE5C2B
RGB	206, 92, 43
RGB Percent	81%, 36%, 17%
CMY	0.1922, 0.6391, 0.8315
CMYK	0.00, 0.55, 0.79, 0.19
HSL	18°, 65%, 49%
HSV	18°, 79%, 81%
XYZ	29.7131, 20.9505, 4.7610
YIQ	120.5000, 83.6730, 8.9290

Conversions

Conversions Part 2

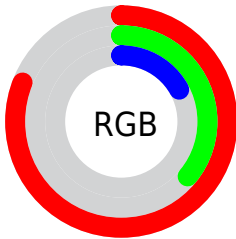
Format	Color
R _Y B	206, 113, 43
Decimal	13524011
CIE Lab	52.90, 42.38, 48.33
CIE LCh	53, 64.277, 48.749
Yxy	20.9505, 0.5361, 0.3780
Android (android.graphics.Color)	4291714091 (0xFFCE5C2B)
YUV	120.5000, -38.2075, 74.9835
Hunter-Lab	45.7717, 35.7744, 25.8731

Details

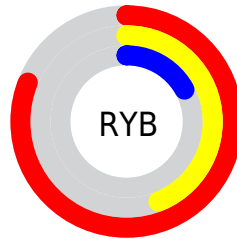
The Yxy color **20.9505, 0.5361, 0.3780** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **29.0620, 0.2085, 0.2506**, and the grayscale version is **19.0574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2835, 0.4799, 0.3807**, and **7.5373, 0.5987, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **18.5738, 0.5688, 0.3734**, and if you desaturate by 10%, it is **23.8801, 0.4996, 0.3780**.

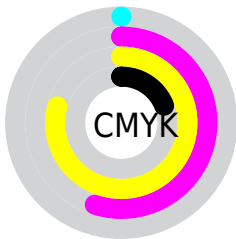
Distribution



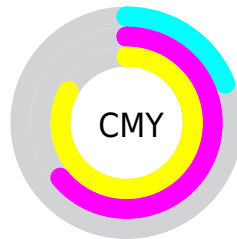
- Red (81%)
- Green (36%)
- Blue (17%)



- Red (81%)
- Yellow (44%)
- Blue (17%)



- Cyan (0%)
- Magenta (55%)
- Yellow (79%)
- Black (19%)





- Cyan (19%)
- Magenta (64%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9505, 0.5361, 0.3780 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 20.9505, 0.5361, 0.3780 by changing the saturation by 10% instead.

 20.9505, 0.5361,
0.3780

 20.9505, 0.5361,
0.3780


257.0153, 0.4144,
0.3641


 13.0878, 0.5663,
0.3749


 45.0051, 0.4910,
0.3771

 7.4891, 0.6043,
0.3669


 61.9659, 0.4742,
0.3754


 3.7698, 0.6514,
0.3486


 82.7281, 0.4600,
0.3734

 1.5456, 0.6959,
0.3041

 107.6762, 0.4481,
0.3714

 0.3205, 0.8183,
0.1817

 137.1946, 0.4378,
0.3694

 0.0000, 1.0000,
0.0000

 171.6677, 0.4289,

 0.0000, 0.0000,

0.3676

0.0000

211.4798, 0.4212,
0.3658

■ 20.9505, 0.5361,
0.3780

■ 20.9505, 0.5361,
0.3780

■ 18.5738, 0.5688,
0.3734

■ 23.8801, 0.4996,
0.3780

■ 16.7027, 0.5951,
0.3648


■ 27.3940, 0.4628,
0.3743


■ 16.5619, 0.5972,
0.3640

■ 31.5252, 0.4282,
0.3680


■ 36.3027, 0.3972,
0.3603

■ 41.7539, 0.3703,
0.3521

 47.9043, 0.3473,
0.3438

 54.7781, 0.3278,
0.3358

 62.3982, 0.3114,
0.3284

 70.7868, 0.2976,
0.3215

Harmonies

Analogous

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



20.9505, 0.5075, 0.3052



20.9505, 0.5361, 0.3780



20.9505, 0.4917, 0.4569

Triad

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



20.9505, 0.5361, 0.3780



20.9505, 0.2071, 0.4457



20.9505, 0.1961, 0.1686

Complementary

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



20.9505, 0.5361, 0.3780



29.0620, 0.2085, 0.2506

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.



20.9505, 0.1455, 0.1742



20.9505, 0.5361, 0.3780



20.9505, 0.1475, 0.3087

Square

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



20.9505, 0.5361, 0.3780



20.9505, 0.3019, 0.5412



20.9505, 0.1293, 0.2160



20.9505, 0.2866, 0.1918

Rectangle

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



20.9505, 0.5361, 0.3780



20.9505, 0.4365, 0.5078



20.9505, 0.1293, 0.2160



20.9505, 0.1750, 0.1671

Sweetspot

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



20.9517, 0.5361, 0.3780



72.3398, 0.3587, 0.3480



17.2826, 0.3892, 0.2076



14.7317, 0.3673, 0.3510



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.



20.9517, 0.5361, 0.3780



27.8860, 0.5877, 0.3674



43.3276, 0.4411, 0.4673



11.7548, 0.3283, 0.3360



10.3501, 0.5946, 0.3661



0.6680, 0.5554, 0.3972

Inverse Universe

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



29.0620, 0.2085, 0.2506



40.8062, 0.1982, 0.2313



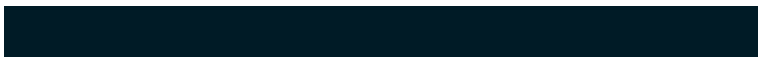
10.0795, 0.1742, 0.1195



12.1350, 0.2983, 0.3219



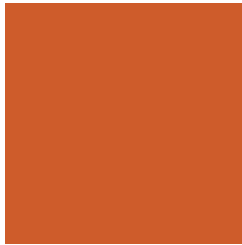
15.2073, 0.1969, 0.2287



0.9136, 0.2030, 0.2506

Previews

White Background



This preview shows how the Yxy color 20.9505, 0.5361, 0.3780 looks on a white background.

Color Contrast Check

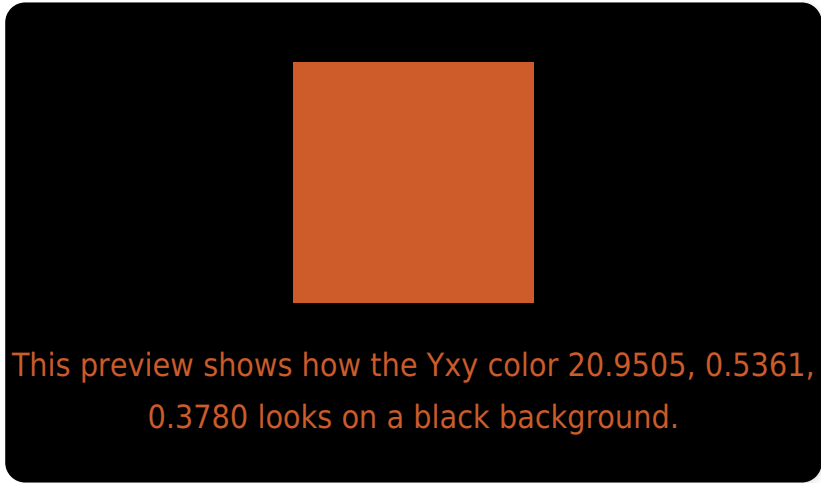
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

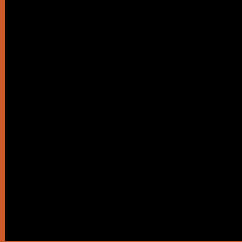
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.9505, 0.5361, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 20.9505, 0.5361, 0.3780.



This preview shows how white text looks on a background with the Yxy color 20.9505, 0.5361, 0.3780.

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

20.9505, 0.5361, 0.3780

Protanopia

21.0985, 0.4111, 0.4514

Deuteranopia

20.9194, 0.4567, 0.4484



Tritanopia

20.9990, 0.4833, 0.3237

Trichromacy



Original Color

20.9505, 0.5361, 0.3780

Protanomaly

20.2557, 0.4602, 0.4220

Deuteranomaly

20.5155, 0.4882, 0.4205

Tritanomaly

20.9046, 0.5061, 0.3464

Monochromacy



Original Color

20.9505, 0.5361, 0.3780

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.6176, 0.3943, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9505, 0.5361, 0.3780 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(206, 92, 43)` looks like.

```
.text, #text, p{  
    color:rgb(206, 92, 43)  
}
```

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(206, 92, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 92, 43) }
```

Border

The CSS property to change the border of an element to Yxy 20.9505, 0.5361, 0.3780 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(206, 92, 43) }
```

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

```
.border{ border-color:rgb(206, 92, 43) }
```

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

Here you see how a box with a 4 pixel rgb(206, 92, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 92, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 92, 43);  
box-shadow:4px 4px 4px 4px rgb(206, 92,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9505, 0.5361, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 92, 43) }
```

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

```
.background{ background-color: rgb(206, 92,  
43) }
```

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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