

Converting Colors

$Y_{xy}(27.7656, 0.5009, 0.3972)$

Have a look what the booklet for
Yxy(27.7656, 0.5009, 0.3972)
contains.

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Color

$Yxy(27.7656, 0.5009, 0.3972)$

Conversions

Conversions Part 1

Format	Color
Hex	D67737
RGB	214, 119, 55
RGB Percent	84%, 47%, 22%
CMY	0.1608, 0.5333, 0.7845
CMYK	0.00, 0.44, 0.74, 0.16
HSL	24°, 66%, 53%
HSV	24°, 74%, 84%
XYZ	35.0146, 27.7656, 7.1231
YIQ	140.1090, 77.1640, 0.2360

Conversions

Conversions Part 2

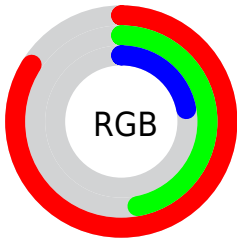
Format	Color
R_{YB}	214, 162, 55
Decimal	14055223
CIE _{Lab}	59.68, 32.24, 49.89
CIE _{LCh}	60, 59.400, 57.127
Yxy	27.7656, 0.5009, 0.3972
Android (android.graphics.Color)	4292245303 (0xFFD67737)
YUV	140.1090, -41.9587, 64.8024
Hunter-Lab	52.6931, 26.4005, 28.8702

Details

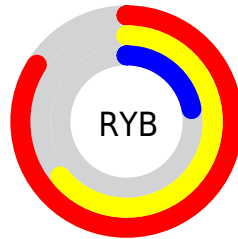
The Yxy color **27.7656, 0.5009, 0.3972** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.4568, 0.2056, 0.2294**, and the grayscale version is **26.4139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7850, 0.4483, 0.3965**, and **11.0285, 0.5527, 0.3993** is the 20% darker color. If you saturate the color by 10%, you get **24.7640, 0.5313, 0.3965**, and if you desaturate by 10%, it is **31.2681, 0.4687, 0.3933**.

Distribution



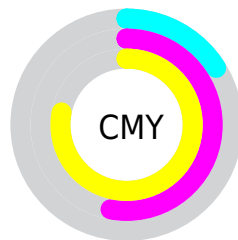
- Red (84%)
- Green (47%)
- Blue (22%)



- Red (84%)
- Yellow (64%)
- Blue (22%)



- Cyan (0%)
- Magenta (44%)
- Yellow (74%)
- Black (16%)



- Cyan (16%)
- Magenta (53%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7656, 0.5009, 0.3972 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 27.7656, 0.5009, 0.3972 by changing the saturation by 10% instead.


 27.7656, 0.5009,
0.3972


 27.7656, 0.5009,
0.3972


291.3452, 0.4023,
0.3707

 18.1490, 0.5246,
0.3993


 56.1100, 0.4652,
0.3905


 11.0570, 0.5532,
0.3987


 75.6066, 0.4516,
0.3870


 6.1052, 0.5962,
0.3980


 99.1654, 0.4401,
0.3837

 2.9092, 0.6272,
0.3728

 127.1707, 0.4303,
0.3806

 1.0845, 0.6718,
0.3282

 160.0069, 0.4218,
0.3778

 0.0000, 1.0000,
0.0000

 198.0585, 0.4145,

 0.0000, 0.0000,

0.3753

0.0000

241.7098, 0.4080,
0.3729

■ 27.7656, 0.5009,
0.3972

■ 27.7656, 0.5009,
0.3972

■ 24.7640, 0.5313,
0.3965

■ 31.2681, 0.4687,
0.3933

■ 22.2303, 0.5575,
0.3903

■ 35.2926, 0.4371,
0.3858

■ 20.9806, 0.5705,
0.3852

■ 39.8639, 0.4075,
0.3762

■ 45.0037, 0.3809,
0.3654

■ 50.7324, 0.3574,
0.3544

■ 57.0692, 0.3370,
0.3436

■ 64.0324, 0.3195,
0.3332

■ 71.6394, 0.3045,
0.3236

■ 79.9070, 0.2916,
0.3147

Harmonies

Analogous

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



27.7656, 0.4917, 0.3297



27.7656, 0.5009, 0.3972



27.7656, 0.4536, 0.4644

Triad

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



27.7656, 0.5009, 0.3972



27.7656, 0.2052, 0.3942



27.7656, 0.2309, 0.1913

Complementary

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



27.7656, 0.5009, 0.3972



27.4568, 0.2056, 0.2294

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.



27.7656, 0.1752, 0.1895



27.7656, 0.5009, 0.3972



27.7656, 0.1608, 0.2876

Square

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



27.7656, 0.5009, 0.3972



27.7656, 0.2828, 0.4896



27.7656, 0.1521, 0.2187



27.7656, 0.3189, 0.2189

Rectangle

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



27.7656, 0.5009, 0.3972



27.7656, 0.4024, 0.4995



27.7656, 0.1521, 0.2187



27.7656, 0.2086, 0.1876

Sweetspot

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



27.7671, 0.5009, 0.3972



77.3544, 0.3529, 0.3521



19.2371, 0.4085, 0.2269



16.0274, 0.3588, 0.3551



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.



27.7671, 0.5009, 0.3972



34.6483, 0.5466, 0.3937



54.9966, 0.4218, 0.4770



13.2337, 0.3281, 0.3384



12.8748, 0.5679, 0.3873



0.9365, 0.5364, 0.4123

Inverse Universe

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



27.4568, 0.2056, 0.2294



33.8707, 0.1922, 0.2052



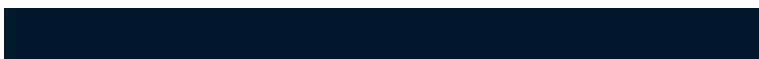
10.1547, 0.1756, 0.1118



13.2296, 0.2982, 0.3194



12.4438, 0.1867, 0.1922



0.9109, 0.1940, 0.2183

Previews

White Background



This preview shows how the Yxy color 27.7656, 0.5009, 0.3972 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 27.7656, 0.5009, 0.3972 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 27.7656, 0.5009, 0.3972

Background



This preview shows how black text looks on a background with the Yxy color 27.7656, 0.5009, 0.3972.



This preview shows how white text looks on a background with the Yxy color 27.7656, 0.5009, 0.3972.

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

27.7656, 0.5009, 0.3972

Protanopia

27.7679, 0.4108, 0.4501

Deuteranopia

27.8249, 0.4495, 0.4412



Tritanopia

27.6961, 0.4364, 0.3197

Trichromacy



Original Color

27.7656, 0.5009, 0.3972

Protanomaly

27.3470, 0.4449, 0.4303

Deuteranomaly

27.4197, 0.4689, 0.4238

Tritanomaly

27.7049, 0.4642, 0.3518

Monochromacy



Original Color

27.7656, 0.5009, 0.3972

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.8221, 0.3806, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7656, 0.5009, 0.3972 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(214, 119, 55)` looks like.

```
.text, #text, p{  
    color:rgb(214, 119, 55)  
}
```

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(214, 119, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 119, 55) }
```

Border

The CSS property to change the border of an element to Yxy 27.7656, 0.5009, 0.3972 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(214, 119, 55) }
```

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

```
.border{ border-color:rgb(214, 119, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 119, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 119, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 119, 55);  
box-shadow:4px 4px 4px 4px rgb(214, 119,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7656, 0.5009, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 119, 55) }
```

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

```
.background{ background-color: rgb(214,  
119, 55) }
```

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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