

Converting Colors

$Y_{xy}(28.0781, 0.4711, 0.3541)$

Have a look what the booklet for
Yxy(28.0781, 0.4711, 0.3541)
contains.

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Color

Yxy(28.1119, 0.4709, 0.3547)

Conversions

Conversions Part 1

Format	Color
Hex	DB735D
RGB	219, 115, 93
RGB Percent	86%, 45%, 36%
CMY	0.1412, 0.5490, 0.6352
CMYK	0.00, 0.47, 0.58, 0.14
HSL	10°, 64%, 61%
HSV	10°, 58%, 86%
XYZ	37.3214, 28.1119, 13.8221
YIQ	143.5880, 69.0460, 15.2060

Conversions

Conversions Part 2

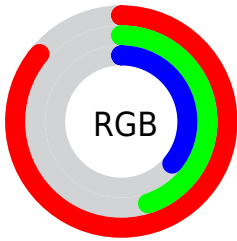
Format	Color
R_{YB}	219, 120, 93
Decimal	14381917
CIE Lab	59.99, 38.59, 30.50
CIE LCh	60, 49.192, 38.319
Yxy	28.1119, 0.4709, 0.3547
Android (android.graphics.Color)	4292571997 (0xFFDB735D)
YUV	143.5880, -24.9399, 66.1363
Hunter-Lab	53.0207, 32.8605, 21.6579

Details

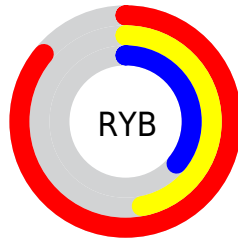
The Yxy color **28.1119, 0.4709, 0.3547** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **47.3892, 0.2346, 0.2983**, and the grayscale version is **27.7988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6496, 0.4162, 0.3555**, and **11.2350, 0.5238, 0.3540** is the 20% darker color. If you saturate the color by 10%, you get **24.0521, 0.5131, 0.3565**, and if you desaturate by 10%, it is **33.0945, 0.4319, 0.3512**.

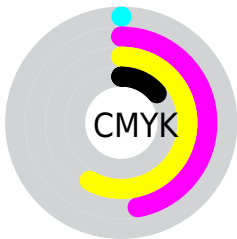
Distribution



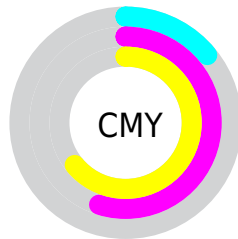
- Red (86%)
- Green (45%)
- Blue (36%)



- Red (86%)
- Yellow (47%)
- Blue (36%)



- Cyan (0%)
- Magenta (47%)
- Yellow (58%)
- Black (14%)





- Cyan (14%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1119, 0.4709, 0.3547 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 28.1119, 0.4709, 0.3547 by changing the saturation by 10% instead.


 28.1119, 0.4709,
0.3547


 28.1119, 0.4709,
0.3547


293.0012, 0.3851,
0.3461

 18.4100, 0.4938,
0.3547


 56.6630, 0.4384,
0.3530

 11.2448, 0.5238,
0.3531


 76.2811, 0.4266,
0.3519

 6.2317, 0.5638,
0.3479

 99.9734, 0.4167,
0.3508

 2.9865, 0.6288,
0.3397

 128.1242, 0.4084,
0.3497

 1.1247, 0.6979,
0.3021

161.1180, 0.4013,
0.3487

 0.0000, 1.0000,
0.0000


199.3392, 0.3952,


 0.0000, 0.0000,


0.3478

0.0000


243.1721, 0.3898,
0.3469


 28.1119, 0.4709,
0.3547


 28.1119, 0.4709,
0.3547


 24.0521, 0.5131,
0.3565

 33.0945, 0.4319,
0.3512


 20.8533, 0.5551,
0.3555


 39.0476, 0.3978,
0.3467


 18.4531, 0.5918,
0.3514

 46.0211, 0.3690,
0.3418

 16.7769, 0.6182,
0.3446

 54.0599, 0.3450,
0.3369

 16.4592, 0.6235,
0.3431

 63.2063, 0.3252,
0.3323

■ 73.5005, 0.3090,
0.3280

■ 84.9803, 0.2956,
0.3240

■ 93.8002, 0.2911,
0.3289

Harmonies

Analogous

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



28.1119, 0.4285, 0.2975



28.1119, 0.4709, 0.3547



28.1119, 0.4622, 0.4135

Triad

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



28.1119, 0.4709, 0.3547



28.1119, 0.2631, 0.4346



28.1119, 0.2102, 0.2073

Complementary

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



28.1119, 0.4709, 0.3547



47.3892, 0.2346, 0.2983

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.



28.1119, 0.1790, 0.2236



28.1119, 0.4709, 0.3547



28.1119, 0.2049, 0.3493

Square

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



28.1119, 0.4709, 0.3547



28.1119, 0.3390, 0.4782



28.1119, 0.1767, 0.2708



28.1119, 0.2697, 0.2172

Rectangle

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



28.1119, 0.4709, 0.3547



28.1119, 0.4322, 0.4487



28.1119, 0.1767, 0.2708



28.1119, 0.1966, 0.2096

Sweetspot

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



28.1134, 0.4709, 0.3547



76.7691, 0.3442, 0.3367



26.9720, 0.3421, 0.2130



15.9104, 0.3487, 0.3377



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.



28.1134, 0.4709, 0.3547



32.9210, 0.5220, 0.3565



47.2998, 0.4218, 0.4252



13.4168, 0.3287, 0.3331



9.8709, 0.6214, 0.3448



0.7523, 0.5919, 0.3683

Inverse Universe

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



47.3892, 0.2346, 0.2983



62.3628, 0.2239, 0.2907



24.7773, 0.2143, 0.2045



14.4229, 0.2982, 0.3248



22.7242, 0.2091, 0.2726



1.5759, 0.2119, 0.2828

Previews

White Background



This preview shows how the Yxy color 28.1119, 0.4709, 0.3547 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 28.1119, 0.4709, 0.3547 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 28.1119, 0.4709, 0.3547

Background



This preview shows how black text looks on a background with the Yxy color 28.1119, 0.4709, 0.3547.



This preview shows how white text looks on a background with the Yxy color 28.1119, 0.4709, 0.3547.

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

28.1119, 0.4709, 0.3547

Protanopia

28.3386, 0.3656, 0.3927

Deuteranopia

28.1283, 0.4097, 0.4002



Tritanopia

28.0729, 0.4426, 0.3200

Trichromacy



Original Color

28.1119, 0.4709, 0.3547

Protanomaly

27.5735, 0.4030, 0.3771

Deuteranomaly

27.9099, 0.4332, 0.3830

Tritanomaly

27.9298, 0.4528, 0.3318

Monochromacy



Original Color

28.1119, 0.4709, 0.3547

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.9137, 0.3662, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1119, 0.4709, 0.3547 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(219, 115, 93)` looks like.

```
.text, #text, p{  
    color:rgb(219, 115, 93)  
}
```

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(219, 115, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 115, 93) }
```

Border

The CSS property to change the border of an element to Yxy 28.1119, 0.4709, 0.3547 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(219, 115, 93) }
```

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

```
.border{ border-color:rgb(219, 115, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 115, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 115, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 115, 93);  
box-shadow:4px 4px 4px 4px rgb(219, 115,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1119, 0.4709, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 115, 93) }
```

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

```
.background{ background-color: rgb(219,  
115, 93) }
```

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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