

Converting Colors

$Y_{xy}(10.2850, 0.5719, 0.3419)$

Have a look what the booklet for
Yxy(10.2850, 0.5719, 0.3419)
contains.

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Color

Yxy(10.2850, 0.5719, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	A72E22
RGB	167, 46, 34
RGB Percent	65%, 18%, 13%
CMY	0.3451, 0.8196, 0.8666
CMYK	0.00, 0.72, 0.80, 0.35
HSL	5°, 66%, 39%
HSV	5°, 80%, 65%
XYZ	17.2038, 10.2850, 2.5931
YIQ	80.8110, 75.9680, 21.9200

Conversions

Conversions Part 2

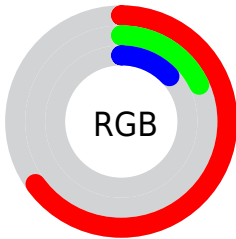
Format	Color
R_{YB}	167, 47, 34
Decimal	10956322
CIE _{Lab}	38.35, 48.57, 36.16
CIE _{LCh}	38, 60.555, 36.670
Yxy	10.2850, 0.5719, 0.3419
Android (android.graphics.Color)	4289146402 (0xFFA72E22)
YUV	80.8110, -23.0778, 75.5878
Hunter-Lab	32.0702, 39.6321, 17.6552

Details

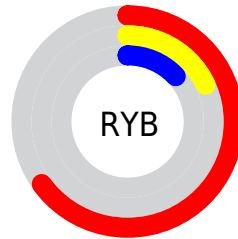
The Yxy color **10.2850, 0.5719, 0.3419** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **26.5842, 0.2235, 0.3069**, and the grayscale version is **8.2243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3515, 0.5087, 0.3498**, and **3.1258, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **9.2274, 0.6074, 0.3391**, and if you desaturate by 10%, it is **11.8109, 0.5287, 0.3430**.

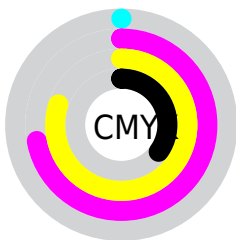
Distribution



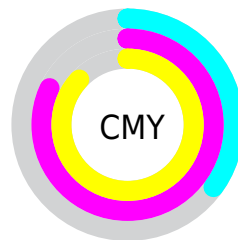
- Red (65%)
- Green (18%)
- Blue (13%)



- Red (65%)
- Yellow (18%)
- Blue (13%)



- Cyan (0%)
- Magenta (72%)
- Yellow (80%)
- Black (35%)




- Cyan (35%)
- Magenta (82%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2850, 0.5719, 0.3419 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 10.2850, 0.5719, 0.3419 by changing the saturation by 10% instead.


 10.2850, 0.5719,
0.3419


 10.2850, 0.5719,
0.3419


192.6942, 0.4148,
0.3483


 5.5883, 0.6179,
0.3296

 26.3302, 0.5085,
0.3504


 2.5964, 0.6900,
0.3100

 38.4475, 0.4864,
0.3513


 0.9249, 0.7484,
0.2516

 53.8072, 0.4686,
0.3514

 0.0000, 1.0000,
0.0000

 72.7935, 0.4539,
0.3511


 0.0000, 0.0000,
0.0000

 95.7910, 0.4417,
0.3505


 123.1841, 0.4313,


0.3498


 155.3570, 0.4225,
0.3491


 10.2850, 0.5719,
0.3419


 10.2850, 0.5719,
0.3419


 9.2274, 0.6074,
0.3391

 11.8109, 0.5287,
0.3430


 8.5767, 0.6317,
0.3361

 13.8493, 0.4840,
0.3424

 8.5593, 0.6324,
0.3360

 16.4410, 0.4423,
0.3408

 19.6225, 0.4058,
0.3386

 23.4269, 0.3750,
0.3361

■ 27.8851, 0.3497,
0.3336

■ 33.0258, 0.3290,
0.3312

■ 38.8761, 0.3122,
0.3289

■ 45.4613, 0.2984,
0.3269

Harmonies

Analogous

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



10.2850, 0.5033, 0.2668



10.2850, 0.5719, 0.3419



10.2850, 0.5430, 0.4265

Triad

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



10.2850, 0.5719, 0.3419



10.2850, 0.2254, 0.5347



10.2850, 0.1515, 0.1458

Complementary

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



10.2850, 0.5719, 0.3419



26.5842, 0.2235, 0.3069

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.



10.2850, 0.1128, 0.1641



10.2850, 0.5719, 0.3419



10.2850, 0.1423, 0.3645

Square

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



10.2850, 0.5719, 0.3419



10.2850, 0.3388, 0.5895



10.2850, 0.1083, 0.2287



10.2850, 0.2331, 0.1594

Rectangle

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



10.2850, 0.5719, 0.3419



10.2850, 0.4890, 0.4920



10.2850, 0.1083, 0.2287



10.2850, 0.1344, 0.1480

Sweetspot

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



10.2856, 0.5719, 0.3419



45.9507, 0.3612, 0.3348



11.7593, 0.3371, 0.1761



9.6831, 0.3702, 0.3357



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.2856, 0.5719, 0.3419



15.5352, 0.6269, 0.3359



19.8314, 0.4778, 0.4312



7.6469, 0.3283, 0.3311



6.5827, 0.6315, 0.3368



0.1928, 0.5974, 0.3638

Inverse Universe

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



26.5842, 0.2235, 0.3069



45.4458, 0.2175, 0.3014



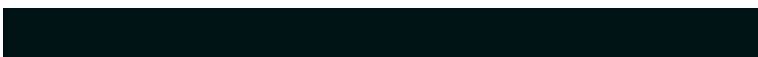
10.3473, 0.1888, 0.1737



8.4148, 0.2987, 0.3269



19.3461, 0.2170, 0.3010



0.5030, 0.2197, 0.3110

Previews

White Background



This preview shows how the Yxy color 10.2850, 0.5719, 0.3419 looks on a white 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

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

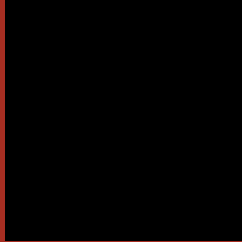
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2850, 0.5719, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 10.2850, 0.5719, 0.3419.



This preview shows how white text looks on a background with the Yxy color 10.2850, 0.5719, 0.3419.

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

10.2850, 0.5719, 0.3419

Protanopia

10.4541, 0.3963, 0.4306

Deuteranopia

10.5272, 0.4528, 0.4479



Tritanopia

10.2141, 0.5557, 0.3275

Trichromacy



Original Color

10.2850, 0.5719, 0.3419

Protanomaly

9.5593, 0.4671, 0.3920

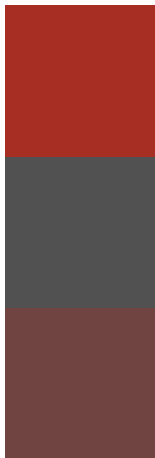
Deuteranomaly

9.7869, 0.5048, 0.3998

Tritanomaly

10.2594, 0.5612, 0.3330

Monochromacy



Original Color

10.2850, 0.5719, 0.3419

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

7.9492, 0.4117, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2850, 0.5719, 0.3419 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(167, 46, 34)` looks like.

```
.text, #text, p{  
    color:rgb(167, 46, 34)  
}
```

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(167, 46, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 46, 34) }
```

Border

The CSS property to change the border of an element to Yxy 10.2850, 0.5719, 0.3419 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(167, 46, 34) }
```

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

```
.border{ border-color:rgb(167, 46, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 46, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 46, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 46, 34);  
box-shadow:4px 4px 4px 4px rgb(167, 46,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2850, 0.5719, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 46, 34) }
```

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

```
.background{ background-color: rgb(167, 46,  
34) }
```

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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