

Converting Colors

$Y_{xy}(16.0148, 0.5220, 0.4085)$

Have a look what the booklet for
Yxy(16.0148, 0.5220, 0.4085)
contains.

Yxy(15.9125, 0.5224, 0.4081)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(15.9125, 0.5224, 0.4081)$

Conversions

Conversions Part 1

Format	Color
Hex	AA5A15
RGB	170, 90, 21
RGB Percent	67%, 35%, 8%
CMY	0.3333, 0.6470, 0.9174
CMYK	0.00, 0.47, 0.88, 0.33
HSL	28°, 78%, 37%
HSV	28°, 88%, 67%
XYZ	20.3692, 15.9125, 2.7099
YIQ	106.0540, 69.8290, -4.4990

Conversions

Conversions Part 2

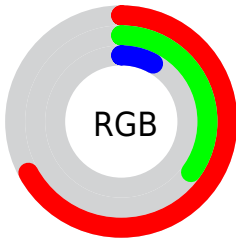
Format	Color
R _Y B	170, 150, 21
Decimal	11164181
CIE Lab	46.86, 28.27, 49.99
CIE LCh	47, 57.425, 60.511
Yxy	15.9125, 0.5224, 0.4081
Android (android.graphics.Color)	4289354261 (0xFFAA5A15)
YUV	106.0540, -41.9316, 56.0806
Hunter-Lab	39.8905, 21.3390, 23.8955

Details

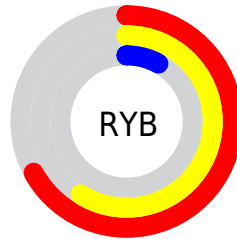
The Yxy color **15.9125, 0.5224, 0.4081** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **12.3792, 0.1899, 0.1923**, and the grayscale version is **14.5338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5066, 0.4795, 0.4010**, and **5.1007, 0.5690, 0.3864** is the 20% darker color. If you saturate the color by 10%, you get **14.4210, 0.5452, 0.4026**, and if you desaturate by 10%, it is **17.6355, 0.4960, 0.4087**.

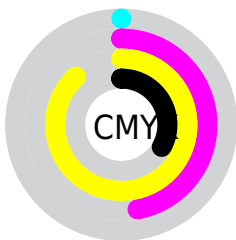
Distribution



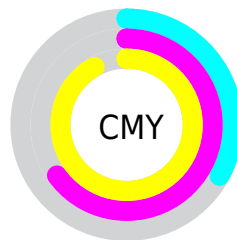
- Red (67%)
- Green (35%)
- Blue (8%)



- Red (67%)
- Yellow (59%)
- Blue (8%)



- Cyan (0%)
- Magenta (47%)
- Yellow (88%)
- Black (33%)





- Cyan (33%)
- Magenta (65%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9125, 0.5224, 0.4081 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 15.9125, 0.5224, 0.4081 by changing the saturation by 10% instead.


 15.9125, 0.5224,
0.4081


 15.9125, 0.5224,
0.4081


228.8248, 0.4057,
0.3763

 9.4623, 0.5510,
0.4081


 36.4462, 0.4790,
0.4010


 5.0439, 0.5930,
0.4070

 51.2985, 0.4627,
0.3967

 2.2730, 0.6213,
0.3787

 69.7203, 0.4491,
0.3926

 0.7594, 0.6712,
0.3288

 92.0959, 0.4376,
0.3887

 0.0000, 1.0000,
0.0000


 118.8097, 0.4279,
0.3851


 0.0000, 0.0000,
0.0000


 150.2463, 0.4194,


0.3819

 186.7898, 0.4121,
0.3790


 15.9125, 0.5224,
0.4081


 15.9125, 0.5224,
0.4081


 14.4210, 0.5452,
0.4026


 17.6355, 0.4960,
0.4087

 14.0941, 0.5506,
0.4010

 19.6034, 0.4674,
0.4044

 21.8294, 0.4387,
0.3964

 24.3246, 0.4111,
0.3859

 27.0991, 0.3856,
0.3741

■ 30.1628, 0.3627,
0.3617

■ 33.5245, 0.3424,
0.3494

■ 37.1929, 0.3247,
0.3376

■ 41.1763, 0.3092,
0.3264

Harmonies

Analogous

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



15.9125, 0.5245, 0.3336



15.9125, 0.5224, 0.4081



15.9125, 0.4592, 0.4858

Triad

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



15.9125, 0.5224, 0.4081



15.9125, 0.1810, 0.3892



15.9125, 0.2284, 0.1768

Complementary

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



15.9125, 0.5224, 0.4081



12.3792, 0.1899, 0.1923

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.



15.9125, 0.1633, 0.1708



15.9125, 0.5224, 0.4081



15.9125, 0.1386, 0.2671

Square

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



15.9125, 0.5224, 0.4081



15.9125, 0.2637, 0.5114



15.9125, 0.1344, 0.1969



15.9125, 0.3317, 0.2100

Rectangle

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



15.9125, 0.5224, 0.4081



15.9125, 0.3983, 0.5282



15.9125, 0.1344, 0.1969



15.9125, 0.2023, 0.1717

Sweetspot

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



15.9134, 0.5224, 0.4081



55.3977, 0.3603, 0.3603



10.0630, 0.4476, 0.2334



11.9198, 0.3676, 0.3644



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



15.9134, 0.5224, 0.4081



25.1468, 0.5534, 0.3988



34.6354, 0.4235, 0.4934



8.0932, 0.3275, 0.3395



10.4775, 0.5488, 0.4024



0.3580, 0.4958, 0.4446

Inverse Universe

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



12.3792, 0.1899, 0.1923



18.4953, 0.1801, 0.1684



3.9168, 0.1590, 0.0779



7.9428, 0.2987, 0.3183



7.7897, 0.1814, 0.1731



0.2903, 0.1972, 0.2299

Previews

White Background



This preview shows how the Yxy color 15.9125, 0.5224, 0.4081 looks on a white background.

Color Contrast Check

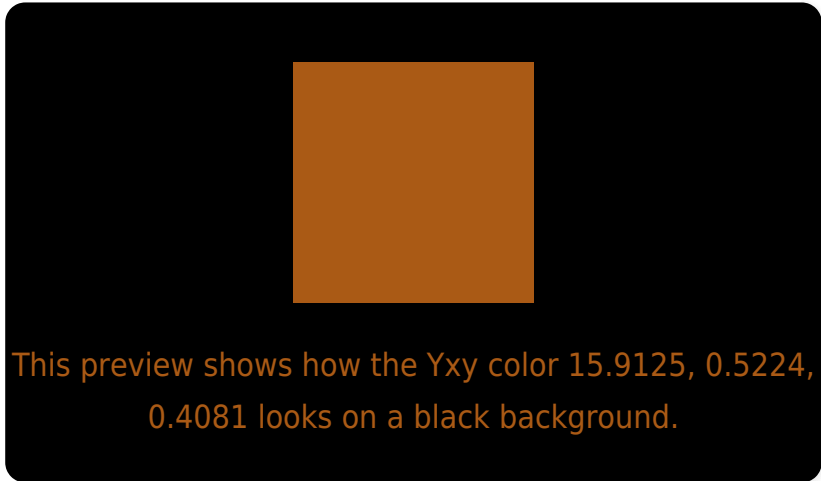
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9125, 0.5224, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 15.9125, 0.5224, 0.4081.



This preview shows how white text looks on a background with the Yxy color 15.9125, 0.5224, 0.4081.

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

15.9125, 0.5224, 0.4081

Protanopia

16.1031, 0.4284, 0.4726

Deuteranopia

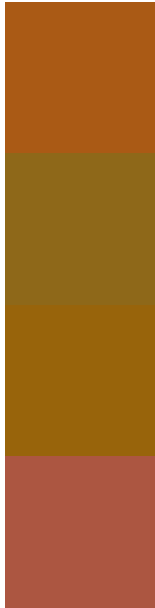
15.9839, 0.4679, 0.4625



Tritanopia

15.9631, 0.4468, 0.3206

Trichromacy



Original Color

15.9125, 0.5224, 0.4081

Protanomaly

15.7216, 0.4639, 0.4479

Deuteranomaly

15.8139, 0.4904, 0.4414

Tritanomaly

15.8079, 0.4836, 0.3590

Monochromacy



Original Color

15.9125, 0.5224, 0.4081

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.2895, 0.3937, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9125, 0.5224, 0.4081 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(170, 90, 21)` looks like.

```
.text, #text, p{  
    color:rgb(170, 90, 21)  
}
```

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(170, 90, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 90, 21) }
```

Border

The CSS property to change the border of an element to Yxy 15.9125, 0.5224, 0.4081 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(170, 90, 21) }
```

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

```
.border{ border-color:rgb(170, 90, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 90, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 90, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 90, 21);  
box-shadow:4px 4px 4px 4px rgb(170, 90,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9125, 0.5224, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 90, 21) }
```

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

```
.background{ background-color: rgb(170, 90,  
21) }
```

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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