

Converting Colors

$Y_{xy}(30.8138, 0.4671, 0.4572)$

Have a look what the booklet for
Yxy(30.8138, 0.4671, 0.4572)
contains.

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Color

Yxy(30.7831, 0.4672, 0.4571)

Conversions

Conversions Part 1

Format	Color
Hex	BF8F17
RGB	191, 143, 23
RGB Percent	75%, 56%, 9%
CMY	0.2510, 0.4392, 0.9095
CMYK	0.00, 0.25, 0.88, 0.25
HSL	43°, 78%, 42%
HSV	43°, 88%, 75%
XYZ	31.4633, 30.7831, 5.0980
YIQ	143.6720, 67.1280, -27.1440

Conversions

Conversions Part 2

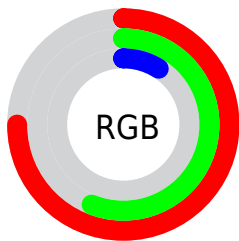
Format	Color
R_{YB}	90, 191, 23
Decimal	12554007
CIE _{Lab}	62.32, 8.28, 62.96
CIE _{LCh}	62, 63.499, 82.511
Yxy	30.7831, 0.4672, 0.4571
Android (android.graphics.Color)	4290744087 (0xFFBF8F17)
YUV	143.6720, -59.4913, 41.5067
Hunter-Lab	55.4825, 4.1302, 33.3899

Details

The Yxy color **30.7831, 0.4672, 0.4571** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **8.4605, 0.1698, 0.1196**, and the grayscale version is **27.9789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7845, 0.4428, 0.4383**, and **12.7342, 0.4811, 0.4562** is the 20% darker color. If you saturate the color by 10%, you get **29.1317, 0.4786, 0.4567**, and if you desaturate by 10%, it is **32.5702, 0.4529, 0.4529**.

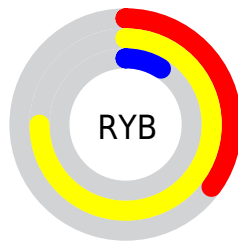
Distribution



Red (75%)

Green (56%)

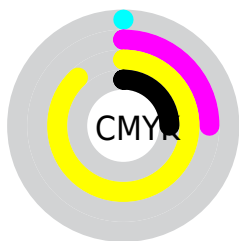
Blue (9%)



Red (35%)

Yellow (75%)

Blue (9%)

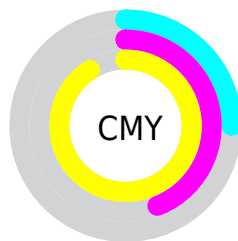


Cyan (0%)

Magenta (25%)

Yellow (88%)

Black (25%)



Cyan (25%)


Magenta (44%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7831, 0.4672, 0.4571 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 30.7831, 0.4672, 0.4571 by changing the saturation by 10% instead.


 30.7831, 0.4672,
0.4571


 30.7831, 0.4672,
0.4571


305.5378, 0.3924,
0.3990


 20.4337, 0.4820,
0.4667


 60.8984, 0.4422,
0.4390

 12.7107, 0.4982,
0.4756


 81.4332, 0.4320,
0.4312


 7.2297, 0.5165,
0.4835

 106.1318, 0.4231,
0.4242

 3.6061, 0.5239,
0.4761

 135.3788, 0.4154,
0.4180

 1.4558, 0.5364,
0.4636

 169.5585, 0.4085,
0.4124

 0.2573, 0.6345,
0.3655

 209.0553, 0.4025,

 0.0000, 0.0000,

0.4075

0.0000

254.2536, 0.3972,
0.4030

30.7831, 0.4672,
0.4571

30.7831, 0.4672,
0.4571

29.1317, 0.4786,
0.4567

32.5702, 0.4529,
0.4529

28.7995, 0.4809,
0.4564

34.5018, 0.4360,
0.4440

36.5887, 0.4173,
0.4312

38.8390, 0.3978,
0.4154

41.2599, 0.3782,
0.3979

■ 43.8579, 0.3593,
0.3794

■ 46.6392, 0.3414,
0.3609

■ 49.6095, 0.3248,
0.3428

■ 52.7742, 0.3097,
0.3255

Harmonies

Analogous

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



30.7831, 0.5092, 0.3870



30.7831, 0.4672, 0.4571



30.7831, 0.3882, 0.5111

Triad

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



30.7831, 0.4672, 0.4571



30.7831, 0.1612, 0.3007



30.7831, 0.3031, 0.2101

Complementary

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



30.7831, 0.4672, 0.4571



8.4605, 0.1698, 0.1196

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.



30.7831, 0.2175, 0.1857



30.7831, 0.4672, 0.4571



30.7831, 0.1474, 0.2233

Square

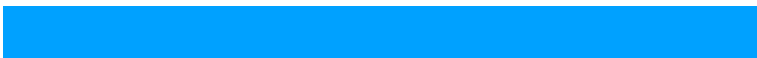
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.7831, 0.4672, 0.4571



30.7831, 0.2121, 0.4145



30.7831, 0.1660, 0.1882



30.7831, 0.4082, 0.2571

Rectangle

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



30.7831, 0.4672, 0.4571



30.7831, 0.3266, 0.5166



30.7831, 0.1660, 0.1882



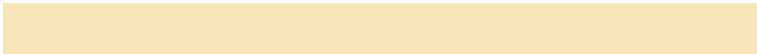
30.7831, 0.2711, 0.1992

Sweetspot

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



30.7846, 0.4672, 0.4571



79.2798, 0.3565, 0.3766



12.1792, 0.5388, 0.2852



17.0390, 0.3630, 0.3832



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



30.7846, 0.4672, 0.4571



51.1456, 0.4821, 0.4554



44.5327, 0.3856, 0.5240



10.6471, 0.3271, 0.3453



19.0700, 0.4799, 0.4572



0.8534, 0.4622, 0.4712

Inverse Universe

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



8.4605, 0.1698, 0.1196



11.2050, 0.1593, 0.0936



5.2375, 0.1716, 0.0790



9.6576, 0.2984, 0.3121



4.3632, 0.1607, 0.0984



0.2867, 0.1746, 0.1485

Previews

White Background



This preview shows how the Yxy color 30.7831, 0.4672, 0.4571 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.7831, 0.4672, 0.4571 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 ✓ Pass

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

Yxy 30.7831, 0.4672, 0.4571

Background



This preview shows how black text looks on a background with the Yxy color 30.7831, 0.4672, 0.4571.



This preview shows how white text looks on a background with the Yxy color 30.7831, 0.4672, 0.4571.

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

30.7831, 0.4672, 0.4571

Protanopia

30.7538, 0.4346, 0.4803

Deuteranopia

30.7831, 0.4672, 0.4571



Tritanopia

30.7640, 0.3762, 0.3159

Trichromacy



Original Color

30.7831, 0.4672, 0.4571

Protanomaly

30.7150, 0.4470, 0.4714

Deuteranomaly

30.7831, 0.4672, 0.4571

Tritanomaly

30.3943, 0.4213, 0.3800

Monochromacy



Original Color

30.7831, 0.4672, 0.4571

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4437, 0.3770, 0.3976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7831, 0.4672, 0.4571 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(191, 143, 23)` looks like.

```
.text, #text, p{  
    color:rgb(191, 143, 23)  
}
```

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(191, 143, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 143, 23) }
```

Border

The CSS property to change the border of an element to Yxy 30.7831, 0.4672, 0.4571 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(191, 143, 23) }
```

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

```
.border{ border-color:rgb(191, 143, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 143, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 143, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 143, 23);  
box-shadow:4px 4px 4px 4px rgb(191, 143,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7831, 0.4672, 0.4571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 143, 23) }
```

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

```
.background{ background-color: rgb(191,  
143, 23) }
```

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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