

Converting Colors

$Y_{xy}(30.7076, 0.4620, 0.4526)$

Have a look what the booklet for
Yxy(30.7076, 0.4620, 0.4526)
contains.

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Color

Yxy(30.7076, 0.4620, 0.4526)

Conversions

Conversions Part 1

Format	Color
Hex	BE8F22
RGB	190, 143, 34
RGB Percent	75%, 56%, 13%
CMY	0.2549, 0.4392, 0.8664
CMYK	0.00, 0.25, 0.82, 0.25
HSL	42°, 70%, 44%
HSV	42°, 82%, 75%
XYZ	31.3454, 30.7076, 5.7941
YIQ	144.6270, 63.0010, -23.9350

Conversions

Conversions Part 2

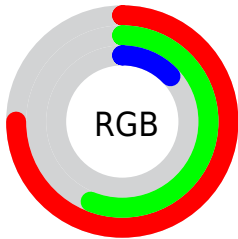
Format	Color
RYB	101, 190, 34
Decimal	12488482
CIELab	62.26, 8.12, 59.70
CIELCh	62, 60.254, 82.256
Yxy	30.7076, 0.4620, 0.4526
Android (android.graphics.Color)	4290678562 (0xFFBE8F22)
YUV	144.6270, -54.5391, 39.7921
Hunter-Lab	55.4144, 3.9939, 32.5907

Details

The Yxy color **30.7076, 0.4620, 0.4526** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.9525, 0.1772, 0.1367**, and the grayscale version is **28.3663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5251, 0.4373, 0.4341**, and **12.7342, 0.4811, 0.4562** is the 20% darker color. If you saturate the color by 10%, you get **28.9525, 0.4757, 0.4545**, and if you desaturate by 10%, it is **32.6141, 0.4454, 0.4458**.

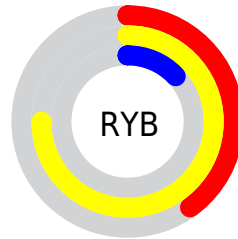
Distribution



Red (75%)

Green (56%)

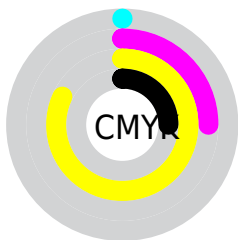
Blue (13%)



Red (40%)

Yellow (75%)

Blue (13%)

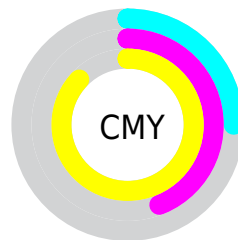


Cyan (0%)

Magenta (25%)

Yellow (82%)

Black (25%)



Cyan (25%)


Magenta (44%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7076, 0.4620, 0.4526 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 30.7076, 0.4620, 0.4526 by changing the saturation by 10% instead.


 30.7076, 0.4620,
0.4526


 30.7076, 0.4620,
0.4526


305.1890, 0.3887,
0.3955


 20.3763, 0.4771,
0.4626


 60.7794, 0.4371,
0.4344


 12.6689, 0.4936,
0.4721


 81.2887, 0.4271,
0.4267


 7.2009, 0.5160,
0.4840


 105.9595, 0.4184,
0.4199

 3.5881, 0.5233,
0.4767

 135.1761, 0.4109,
0.4138

 1.4459, 0.5356,
0.4644

 169.3230, 0.4043,
0.4084

 0.2502, 0.6354,
0.3646

 208.7845, 0.3985,

 0.0000, 0.0000,

0.4037

0.0000

253.9450, 0.3933,
0.3994

■ 30.7076, 0.4620,
0.4526

■ 30.7076, 0.4620,
0.4526

■ 28.9525, 0.4757,
0.4545

■ 32.6141, 0.4454,
0.4458

■ 27.6494, 0.4849,
0.4532

■ 34.6774, 0.4267,
0.4348

■ 36.9076, 0.4070,
0.4204

■ 39.3123, 0.3869,
0.4038

■ 41.8983, 0.3674,
0.3859

■ 44.6722, 0.3488,
0.3677

■ 47.6398, 0.3316,
0.3497

■ 50.8067, 0.3158,
0.3325

■ 54.1783, 0.3015,
0.3161

Harmonies

Analogous

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



30.7076, 0.5005, 0.3858



30.7076, 0.4620, 0.4526



30.7076, 0.3871, 0.5025

Triad

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



30.7076, 0.4620, 0.4526



30.7076, 0.1679, 0.3037



30.7076, 0.3031, 0.2146

Complementary

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



30.7076, 0.4620, 0.4526



9.9525, 0.1772, 0.1367

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.



30.7076, 0.2212, 0.1912



30.7076, 0.4620, 0.4526



30.7076, 0.1537, 0.2289

Square

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



30.7076, 0.4620, 0.4526



30.7076, 0.2177, 0.4109



30.7076, 0.1715, 0.1941



30.7076, 0.4028, 0.2599

Rectangle

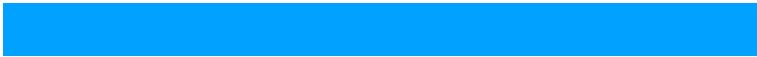
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.7076, 0.4620, 0.4526



30.7076, 0.3280, 0.5065



30.7076, 0.1715, 0.1941



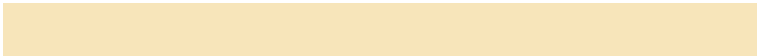
30.7076, 0.2726, 0.2041

Sweetspot

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



30.7091, 0.4620, 0.4526



79.2441, 0.3549, 0.3738



12.7259, 0.5127, 0.2790



17.0088, 0.3615, 0.3803



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.



30.7091, 0.4620, 0.4526



50.2392, 0.4840, 0.4528



44.5574, 0.3875, 0.5158



10.6219, 0.3271, 0.3450



18.5305, 0.4838, 0.4540



0.8355, 0.4650, 0.4690

Inverse Universe

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



9.9525, 0.1772, 0.1367



12.2164, 0.1616, 0.1006



5.9115, 0.1775, 0.0882



9.6816, 0.2984, 0.3125



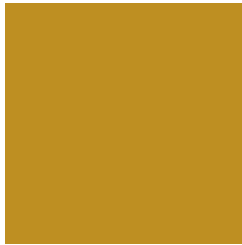
4.5567, 0.1617, 0.1020



0.2970, 0.1757, 0.1525

Previews

White Background



This preview shows how the Yxy color 30.7076, 0.4620, 0.4526 looks on a white background.

Color Contrast Check

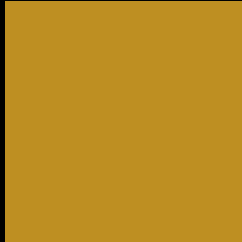
Large Text (above 18pt) WCAG AA × Fail

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 30.7076, 0.4620, 0.4526 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 30.7076, 0.4620, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 30.7076, 0.4620, 0.4526.



This preview shows how white text looks on a background with the Yxy color 30.7076, 0.4620, 0.4526.

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

30.7076, 0.4620, 0.4526

Protanopia

30.6956, 0.4297, 0.4754

Deuteranopia

30.7076, 0.4620, 0.4526



Tritanopia

30.6285, 0.3750, 0.3158

Trichromacy



Original Color

30.7076, 0.4620, 0.4526

Protanomaly

30.6483, 0.4421, 0.4669

Deuteranomaly

30.7076, 0.4620, 0.4526

Tritanomaly

30.3399, 0.4159, 0.3750

Monochromacy



Original Color

30.7076, 0.4620, 0.4526

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.5435, 0.3719, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7076, 0.4620, 0.4526 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(190, 143, 34)` looks like.

```
.text, #text, p{  
    color:rgb(190, 143, 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(190, 143, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 143, 34) }
```

Border

The CSS property to change the border of an element to Yxy 30.7076, 0.4620, 0.4526 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(190, 143, 34) }
```

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

```
.border{ border-color:rgb(190, 143, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 143, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 143, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 143, 34);  
box-shadow:4px 4px 4px 4px rgb(190, 143,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7076, 0.4620, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 143, 34) }
```

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

```
.background{ background-color: rgb(190,  
143, 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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