

Converting Colors

$Yxy(30.8834, 0.4354, 0.4281)$

Have a look what the booklet for
Yxy(30.8834, 0.4354, 0.4281)
contains.

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Color

Yxy(30.9287, 0.4363, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	BB9044
RGB	187, 144, 68
RGB Percent	73%, 56%, 27%
CMY	0.2667, 0.4352, 0.7333
CMYK	0.00, 0.23, 0.64, 0.27
HSL	38°, 47%, 50%
HSV	38°, 64%, 73%
XYZ	31.5064, 30.9287, 9.7776
YIQ	148.1930, 50.0240, -14.5200

Conversions

Conversions Part 2

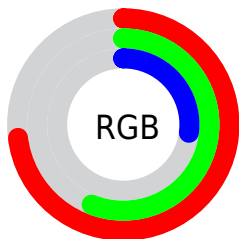
Format	Color
RYB	135, 187, 68
Decimal	12292164
CIELab	62.45, 7.90, 45.69
CIELCh	62, 46.371, 80.188
Yxy	30.9287, 0.4363, 0.4283
Android (android.graphics.Color)	4290482244 (0xFFBB9044)
YUV	148.1930, -39.5351, 34.0337
Hunter-Lab	55.6136, 3.8007, 28.5055

Details

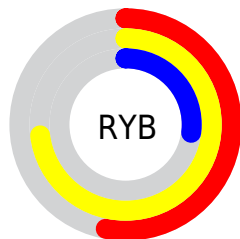
The Yxy color **30.9287, 0.4363, 0.4283** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **16.1770, 0.2066, 0.1962**, and the grayscale version is **29.8520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3129, 0.4133, 0.4118**, and **12.7886, 0.4692, 0.4511** is the 20% darker color. If you saturate the color by 10%, you get **28.7523, 0.4572, 0.4377**, and if you desaturate by 10%, it is **33.3033, 0.4145, 0.4155**.

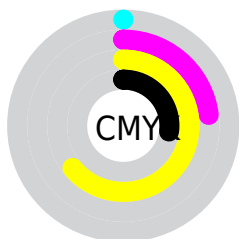
Distribution



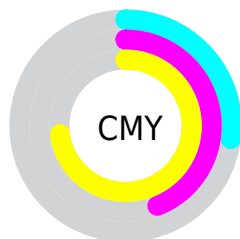
- Red (73%)
- Green (56%)
- Blue (27%)



- Red (53%)
- Yellow (73%)
- Blue (27%)



- Cyan (0%)
- Magenta (23%)
- Yellow (64%)
- Black (27%)



- Cyan (27%)
- Magenta (44%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9287, 0.4363, 0.4283 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 30.9287, 0.4363, 0.4283 by changing the saturation by 10% instead.


 30.9287, 0.4363,
0.4283


 30.9287, 0.4363,
0.4283


306.2097, 0.3728,
0.3797


 20.5446, 0.4514,
0.4387


 61.1278, 0.4135,
0.4116

 12.7915, 0.4696,
0.4503


 81.7115, 0.4048,
0.4050


 7.2851, 0.4917,
0.4628


 106.4640, 0.3974,
0.3993

 3.6411, 0.5222,
0.4778

 135.7694, 0.3911,
0.3943

 1.4749, 0.5341,
0.4659

 170.0123, 0.3856,
0.3900

 0.2709, 0.6244,
0.3756

209.5771, 0.3808,

 0.0000, 0.0000,

0.3861

0.0000

254.8481, 0.3766,
0.3828

■ 30.9287, 0.4363,
0.4283

■ 30.9287, 0.4363,
0.4283

■ 28.7523, 0.4572,
0.4377

■ 33.3033, 0.4145,
0.4155

■ 26.7602, 0.4760,
0.4426

■ 35.8798, 0.3928,
0.4003

■ 24.9431, 0.4919,
0.4425

■ 38.6674, 0.3719,
0.3839

■ 23.8652, 0.5009,
0.4405

■ 41.6732, 0.3524,
0.3671

■ 44.9036, 0.3344,
0.3505

■ 48.3651, 0.3182,
0.3346

■ 52.0634, 0.3036,
0.3195

■ 56.0043, 0.2907,
0.3055

■ 60.1932, 0.2791,
0.2925

Harmonies

Analogous

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



30.9287, 0.4602, 0.3761



30.9287, 0.4363, 0.4283



30.9287, 0.3802, 0.4626

Triad

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



30.9287, 0.4363, 0.4283



30.9287, 0.1995, 0.3173



30.9287, 0.3014, 0.2348

Complementary

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



30.9287, 0.4363, 0.4283



16.1770, 0.2066, 0.1962

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.



30.9287, 0.2370, 0.2171



30.9287, 0.4363, 0.4283



30.9287, 0.1842, 0.2553

Square

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



30.9287, 0.4363, 0.4283



30.9287, 0.2436, 0.3962



30.9287, 0.1971, 0.2226



30.9287, 0.3776, 0.2716

Rectangle

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



30.9287, 0.4363, 0.4283



30.9287, 0.3336, 0.4635



30.9287, 0.1971, 0.2226



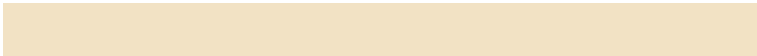
30.9287, 0.2777, 0.2266

Sweetspot

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



30.9302, 0.4363, 0.4283



77.1082, 0.3444, 0.3599



15.8578, 0.4370, 0.2722



16.6195, 0.3497, 0.3647



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



30.9302, 0.4363, 0.4283



50.1872, 0.4643, 0.4400



44.6200, 0.3854, 0.4826



10.5252, 0.3273, 0.3436



16.5881, 0.4997, 0.4415



0.7697, 0.4758, 0.4604

Inverse Universe

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



16.1770, 0.2066, 0.1962



21.9019, 0.1872, 0.1633



9.5996, 0.2029, 0.1327



9.7742, 0.2984, 0.3139



5.4074, 0.1659, 0.1173



0.3373, 0.1799, 0.1674

Previews

White Background



This preview shows how the Yxy color 30.9287, 0.4363, 0.4283 looks on a white background.

Color Contrast Check

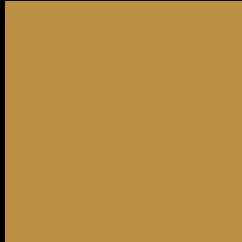
Large Text (above 18pt) WCAG AA × Fail

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 30.9287, 0.4363, 0.4283 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 30.9287, 0.4363, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 30.9287, 0.4363, 0.4283.



This preview shows how white text looks on a background with the Yxy color 30.9287, 0.4363, 0.4283.

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

30.9287, 0.4363, 0.4283

Protanopia

30.9002, 0.4076, 0.4447

Deuteranopia

30.9287, 0.4363, 0.4283



Tritanopia

31.0211, 0.3661, 0.3156

Trichromacy



Original Color

30.9287, 0.4363, 0.4283

Protanomaly

30.7234, 0.4187, 0.4384

Deuteranomaly

30.9287, 0.4363, 0.4283

Tritanomaly

30.8496, 0.3946, 0.3581

Monochromacy



Original Color

30.9287, 0.4363, 0.4283

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.8807, 0.3572, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9287, 0.4363, 0.4283 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(187, 144, 68)` looks like.

```
.text, #text, p{  
    color:rgb(187, 144, 68)  
}
```

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(187, 144, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 144, 68) }
```

Border

The CSS property to change the border of an element to Yxy 30.9287, 0.4363, 0.4283 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(187, 144, 68) }
```

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

```
.border{ border-color:rgb(187, 144, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 144, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 144, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 144, 68);  
box-shadow:4px 4px 4px 4px rgb(187, 144,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9287, 0.4363, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 144, 68) }
```

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

```
.background{ background-color: rgb(187,  
144, 68) }
```

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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