

Converting Colors

$Y_{xy}(47.3011, 0.4319, 0.4315)$

Have a look what the booklet for
Yxy(47.3011, 0.4319, 0.4315)
contains.

Yxy(47.2204, 0.4316, 0.4313)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.2204, 0.4316, 0.4313)

Conversions

Conversions Part 1

Format	Color
Hex	DEB054
RGB	222, 176, 84
RGB Percent	87%, 69%, 33%
CMY	0.1294, 0.3098, 0.6706
CMYK	0.00, 0.21, 0.62, 0.13
HSL	40°, 68%, 60%
HSV	40°, 62%, 87%
XYZ	47.2532, 47.2204, 15.0102
YIQ	179.2660, 56.9480, -18.8600

Conversions

Conversions Part 2

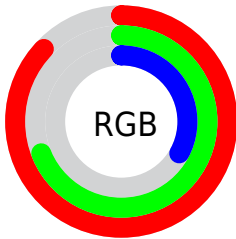
Format	Color
RYB	153, 222, 84
Decimal	14594132
CIELab	74.33, 6.74, 52.43
CIElCh	74, 52.857, 82.673
Yxy	47.2204, 0.4316, 0.4313
Android (android.graphics.Color)	4292784212 (0xFFDEB054)
YUV	179.2660, -46.9661, 37.4777
Hunter-Lab	68.7171, 2.4904, 35.1509

Details

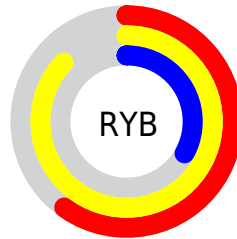
The Yxy color **47.2204, 0.4316, 0.4313** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **23.1280, 0.2065, 0.1924**, and the grayscale version is **45.4630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2180, 0.3917, 0.4227**, and **22.3008, 0.4579, 0.4526** is the 20% darker color. If you saturate the color by 10%, you get **44.1041, 0.4516, 0.4416**, and if you desaturate by 10%, it is **50.6098, 0.4105, 0.4176**.

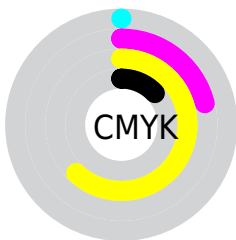
Distribution



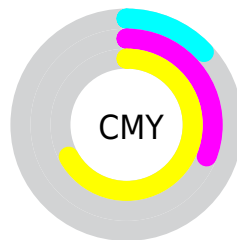
- Red (87%)
- Green (69%)
- Blue (33%)



- Red (60%)
- Yellow (87%)
- Blue (33%)



- Cyan (0%)
- Magenta (21%)
- Yellow (62%)
- Black (13%)




- Cyan (13%)
- Magenta (31%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2204, 0.4316, 0.4313 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 47.2204, 0.4316, 0.4313 by changing the saturation by 10% instead.

 47.2204, 0.4316,
0.4313

 47.2204, 0.4316,
0.4313


375.6936, 0.3750,
0.3845


 33.2099, 0.4439,
0.4408


 86.0425, 0.4122,
0.4157

 22.2873, 0.4585,
0.4516


 111.6229, 0.4045,
0.4094

 14.0682, 0.4753,
0.4631


 141.8288, 0.3979,
0.4039

 8.1681, 0.4962,
0.4762

 177.0445, 0.3921,
0.3991

 4.2027, 0.5158,
0.4842

 217.6545, 0.3870,
0.3948

 1.7876, 0.5250,
0.4750

264.0430, 0.3826,

 0.4794, 0.5640,

0.3909

0.4360

316.5946, 0.3786,
0.3875

0.0000, 0.0000,
0.0000

47.2204, 0.4316,
0.4313

47.2204, 0.4316,
0.4313

44.1041, 0.4516,
0.4416

50.6098, 0.4105,
0.4176

41.2407, 0.4696,
0.4474

54.2772, 0.3894,
0.4015

38.6169, 0.4846,
0.4481

58.2359, 0.3690,
0.3842

36.7103, 0.4943,
0.4457

62.4956, 0.3498,
0.3666

67.0659, 0.3321,
0.3492

■ 71.9555, 0.3160,
0.3325

■ 77.1727, 0.3015,
0.3168

■ 82.2925, 0.2924,
0.3086

■ 86.6249, 0.2926,
0.3163

Harmonies

Analogous

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



47.2204, 0.4584, 0.3804



47.2204, 0.4316, 0.4313



47.2204, 0.3742, 0.4626

Triad

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



47.2204, 0.4316, 0.4313



47.2204, 0.1981, 0.3115



47.2204, 0.3077, 0.2380

Complementary

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



47.2204, 0.4316, 0.4313



23.1280, 0.2065, 0.1924

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.



47.2204, 0.2422, 0.2187



47.2204, 0.4316, 0.4313



47.2204, 0.1853, 0.2523

Square

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



47.2204, 0.4316, 0.4313



47.2204, 0.2397, 0.3892



47.2204, 0.2003, 0.2221



47.2204, 0.3830, 0.2759

Rectangle

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



47.2204, 0.4316, 0.4313



47.2204, 0.3276, 0.4605



47.2204, 0.2003, 0.2221



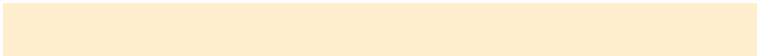
47.2204, 0.2838, 0.2293

Sweetspot

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



47.2227, 0.4316, 0.4313



87.3863, 0.3443, 0.3613



23.5465, 0.4382, 0.2753



18.3274, 0.3495, 0.3663



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



47.2227, 0.4316, 0.4313



58.9924, 0.4580, 0.4441



65.3517, 0.3830, 0.4822



15.2193, 0.3275, 0.3446



22.0141, 0.4929, 0.4468



1.6885, 0.4788, 0.4581

Inverse Universe

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



23.1280, 0.2065, 0.1924



23.6132, 0.1865, 0.1584



14.6000, 0.2060, 0.1358



13.9862, 0.2981, 0.3129



6.2259, 0.1635, 0.1085



0.5923, 0.1721, 0.1396

Previews

White Background



This preview shows how the Yxy color 47.2204, 0.4316, 0.4313 looks on a white background.

Color Contrast Check

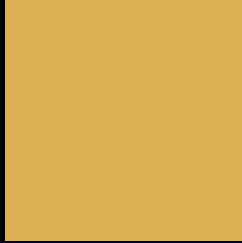
Large Text (above 18pt) WCAG AA × Fail

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 47.2204, 0.4316, 0.4313 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 47.2204, 0.4316, 0.4313

Background



This preview shows how black text looks on a background with the Yxy color 47.2204, 0.4316, 0.4313.



This preview shows how white text looks on a background with the Yxy color 47.2204, 0.4316, 0.4313.

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

47.2204, 0.4316, 0.4313

Protanopia

47.2354, 0.4075, 0.4451

Deuteranopia

47.0809, 0.4368, 0.4275



Tritanopia

47.3098, 0.3620, 0.3154

Trichromacy



Original Color

47.2204, 0.4316, 0.4313

Protanomaly

47.0000, 0.4168, 0.4398

Deuteranomaly

47.3076, 0.4351, 0.4290

Tritanomaly

47.0940, 0.3901, 0.3596

Monochromacy



Original Color

47.2204, 0.4316, 0.4313

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.4565, 0.3569, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2204, 0.4316, 0.4313 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(222, 176, 84)` looks like.

```
.text, #text, p{  
    color:rgb(222, 176, 84)  
}
```

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(222, 176, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 176, 84) }
```

Border

The CSS property to change the border of an element to Yxy 47.2204, 0.4316, 0.4313 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(222, 176, 84) }
```

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

```
.border{ border-color:rgb(222, 176, 84) }
```

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

Here you see how a box with a 4 pixel rgb(222, 176, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 176, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 176, 84);  
box-shadow:4px 4px 4px 4px rgb(222, 176,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2204, 0.4316, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 176, 84) }
```

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

```
.background{ background-color: rgb(222,  
176, 84) }
```

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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