

Converting Colors

$Y_{xy}(31.2972, 0.4165, 0.4314)$

Have a look what the booklet for
Yxy(31.2972, 0.4165, 0.4314)
contains.

Yxy(31.4679, 0.4163, 0.4312)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.4679, 0.4163, 0.4312)

Conversions

Conversions Part 1

Format	Color
Hex	B2954B
RGB	178, 149, 75
RGB Percent	70%, 58%, 29%
CMY	0.3019, 0.4157, 0.7059
CMYK	0.00, 0.16, 0.58, 0.30
HSL	43°, 41%, 50%
HSV	43°, 58%, 70%
XYZ	30.3805, 31.4679, 11.1291
YIQ	149.2350, 41.0380, -16.8660

Conversions

Conversions Part 2

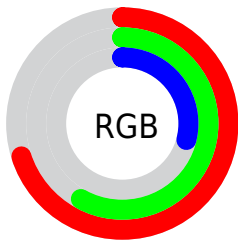
Format	Color
RYB	115, 178, 75
Decimal	11703627
CIELab	62.90, 1.78, 42.52
CIElCh	63, 42.562, 87.607
Yxy	31.4679, 0.4163, 0.4312
Android (android.graphics.Color)	4289893707 (0xFFB2954B)
YUV	149.2350, -36.5979, 25.2269
Hunter-Lab	56.0963, -1.4967, 27.5047

Details

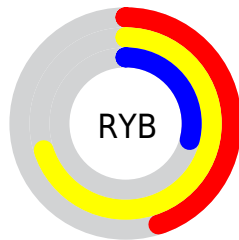
The Yxy color **31.4679, 0.4163, 0.4312** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **14.6156, 0.2130, 0.1959**, and the grayscale version is **30.3047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0511, 0.3972, 0.4128**, and **13.2048, 0.4446, 0.4584** is the 20% darker color. If you saturate the color by 10%, you get **29.7060, 0.4348, 0.4442**, and if you desaturate by 10%, it is **33.3693, 0.3970, 0.4154**.

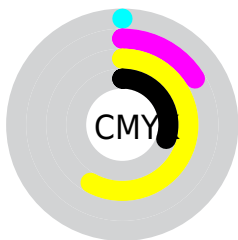
Distribution



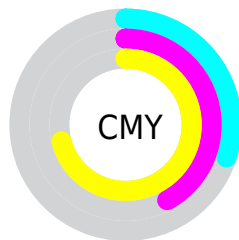
- Red (70%)
- Green (58%)
- Blue (29%)



- Red (45%)
- Yellow (70%)
- Blue (29%)



- Cyan (0%)
- Magenta (16%)
- Yellow (58%)
- Black (30%)



- Cyan (30%)
- Magenta (42%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.4679, 0.4163, 0.4312 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 31.4679, 0.4163, 0.4312 by changing the saturation by 10% instead.

■ 31.4679, 0.4163,
0.4312

■ 31.4679, 0.4163,
0.4312

308.6882, 0.3633,
0.3794

■ 20.9554, 0.4290,
0.4433

■ 61.9760, 0.3972,
0.4127

■ 13.0914, 0.4443,
0.4578

■ 82.7404, 0.3899,
0.4056

■ 7.4915, 0.4625,
0.4745

■ 107.6908, 0.3838,
0.3996

■ 3.7713, 0.4952,
0.5048

■ 137.2118, 0.3785,
0.3944

■ 1.5465, 0.4979,
0.5021

■ 171.6876, 0.3739,
0.3899

■ 0.3211, 0.5205,
0.4795

211.5026, 0.3699,

■ 0.0000, 0.0000,

0.3860

0.0000

257.0414, 0.3664,
0.3825

■ 31.4679, 0.4163,
0.4312

■ 31.4679, 0.4163,
0.4312

■ 29.7060, 0.4348,
0.4442

■ 33.3693, 0.3970,
0.4154

■ 28.0724, 0.4515,
0.4532

■ 35.4118, 0.3776,
0.3978

■ 26.5610, 0.4657,
0.4577

■ 37.6023, 0.3589,
0.3794

■ 25.1600, 0.4771,
0.4577

■ 39.9459, 0.3411,
0.3608

■ 24.8718, 0.4795,
0.4575

■ 42.4474, 0.3247,
0.3427

■ 45.1113, 0.3096,
0.3254

■ 47.9419, 0.2960,
0.3091

■ 50.9432, 0.2837,
0.2940

■ 54.1191, 0.2727,
0.2800

Harmonies

Analogous

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



31.4679, 0.4461, 0.3863



31.4679, 0.4163, 0.4312



31.4679, 0.3602, 0.4534

Triad

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



31.4679, 0.4163, 0.4312



31.4679, 0.2023, 0.3028



31.4679, 0.3198, 0.2489

Complementary

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



31.4679, 0.4163, 0.4312



14.6156, 0.2130, 0.1959

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.



31.4679, 0.2561, 0.2276



31.4679, 0.4163, 0.4312



31.4679, 0.1943, 0.2518

Square

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



31.4679, 0.4163, 0.4312



31.4679, 0.2373, 0.3727



31.4679, 0.2127, 0.2274



31.4679, 0.3883, 0.2869

Rectangle

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



31.4679, 0.4163, 0.4312



31.4679, 0.3164, 0.4453



31.4679, 0.2127, 0.2274



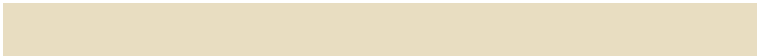
31.4679, 0.2970, 0.2397

Sweetspot

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



31.4694, 0.4163, 0.4312



72.6766, 0.3401, 0.3598



15.5026, 0.4347, 0.2882



15.9097, 0.3435, 0.3634



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



31.4694, 0.4163, 0.4312



53.1493, 0.4388, 0.4466



39.3934, 0.3722, 0.4753



9.4939, 0.3270, 0.3453



17.9028, 0.4786, 0.4582



0.6560, 0.4587, 0.4740

Inverse Universe

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



14.6156, 0.2130, 0.1959



19.9358, 0.1927, 0.1627



10.8064, 0.2226, 0.1550



8.6071, 0.2985, 0.3122



4.0349, 0.1605, 0.0979



0.2283, 0.1766, 0.1557

Previews

White Background



This preview shows how the Yxy color 31.4679, 0.4163, 0.4312 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 31.4679, 0.4163, 0.4312 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 31.4679, 0.4163, 0.4312

Background



This preview shows how black text looks on a background with the Yxy color 31.4679, 0.4163, 0.4312.



This preview shows how white text looks on a background with the Yxy color 31.4679, 0.4163, 0.4312.

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

31.4679, 0.4163, 0.4312

Protanopia

31.6291, 0.4012, 0.4399

Deuteranopia

31.3374, 0.4287, 0.4208



Tritanopia

31.5984, 0.3503, 0.3152

Trichromacy



Original Color

31.4679, 0.4163, 0.4312

Protanomaly

31.7489, 0.4064, 0.4367

Deuteranomaly

31.2699, 0.4246, 0.4235

Tritanomaly

31.3217, 0.3765, 0.3591

Monochromacy



Original Color

31.4679, 0.4163, 0.4312

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.3736, 0.3512, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4679, 0.4163, 0.4312 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(178, 149, 75)` looks like.

```
.text, #text, p{  
    color:rgb(178, 149, 75)  
}
```

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(178, 149, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 149, 75) }
```

Border

The CSS property to change the border of an element to Yxy 31.4679, 0.4163, 0.4312 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(178, 149, 75) }
```

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

```
.border{ border-color:rgb(178, 149, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 149, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 149, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 149, 75);  
box-shadow:4px 4px 4px 4px rgb(178, 149,  
75) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.4679, 0.4163, 0.4312$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 149, 75) }
```

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

```
.background{ background-color: rgb(178,  
149, 75) }
```

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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