

Converting Colors

$Yxy(31.0586, 0.4382, 0.5076)$

Have a look what the booklet for
Yxy(31.0586, 0.4382, 0.5076)
contains.

Yxy(31.1105, 0.4314, 0.4957)	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(31.1105, 0.4314, 0.4957)

Conversions

Conversions Part 1

Format	Color
Hex	A59A00
RGB	165, 154, 0
RGB Percent	65%, 60%, 0%
CMY	0.3529, 0.3961, 1.0000
CMYK	0.00, 0.07, 1.00, 0.35
HSL	56°, 100%, 32%
HSV	56°, 100%, 65%
XYZ	27.0750, 31.1105, 4.5753
YIQ	139.7330, 55.9900, -45.5620

Conversions

Conversions Part 2

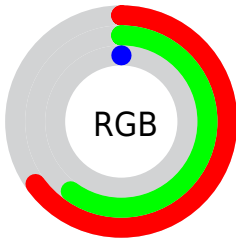
Format	Color
R _Y B	12, 165, 0
Decimal	10852864
CIE Lab	62.60, -9.81, 65.99
CIE LCh	63, 66.712, 98.455
Yxy	31.1105, 0.4314, 0.4957
Android (android.graphics.Color)	4289042944 (0xFFA59A00)
YUV	139.7330, -68.8884, 22.1592
Hunter-Lab	55.7768, -10.9625, 34.1803

Details

The Yxy color **31.1105, 0.4314, 0.4957** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **2.9570, 0.1513, 0.0647**, and the grayscale version is **26.3744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4401, 0.4153, 0.4682**, and **12.9517, 0.4288, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **31.1122, 0.4314, 0.4957**, and if you desaturate by 10%, it is **31.5165, 0.4273, 0.4923**.

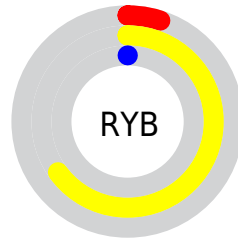
Distribution



Red (65%)

Green (60%)

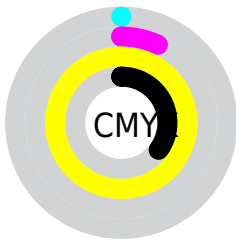
Blue (0%)



Red (5%)

Yellow (65%)

Blue (0%)

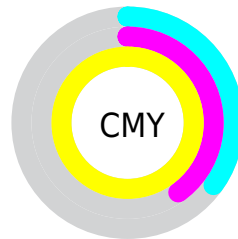


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.1105, 0.4314, 0.4957 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 31.1105, 0.4314, 0.4957 by changing the saturation by 10% instead.

■ 31.1105, 0.4314,
0.4957

■ 31.1105, 0.4314,
0.4957

307.0471, 0.3778,
0.4140

■ 20.6830, 0.4398,
0.5120

■ 61.4140, 0.4150,
0.4683

■ 12.8925, 0.4479,
0.5307

■ 82.0588, 0.4077,
0.4571

■ 7.3546, 0.4515,
0.5485

■ 106.8781, 0.4012,
0.4474

■ 3.6848, 0.4420,
0.5580

■ 136.2565, 0.3954,
0.4389

■ 1.4989, 0.4257,
0.5743

■ 170.5781, 0.3903,
0.4315

■ 0.2879, 0.1062,
0.8938

■ 210.2275, 0.3857,

■ 0.0000, 0.0000,

0.4250

0.0000

■ 255.5890, 0.3815,
0.4192

■ 31.1105, 0.4314,
0.4957

■ 31.1105, 0.4314,
0.4957

■ 31.1122, 0.4314,
0.4957

■ 31.5165, 0.4273,
0.4923

■ 31.9561, 0.4211,
0.4855

■ 32.4444, 0.4123,
0.4745

■ 32.9872, 0.4012,
0.4595

■ 33.5896, 0.3880,
0.4411

■ 34.2559, 0.3735,
0.4202

■ 34.9901, 0.3582,
0.3977

■ 35.7958, 0.3427,
0.3746

■ 36.6763, 0.3274,
0.3515

Harmonies

Analogous

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



31.1105, 0.4997, 0.4264



31.1105, 0.4314, 0.4957



31.1105, 0.3390, 0.5277

Triad

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



31.1105, 0.4314, 0.4957



31.1105, 0.1437, 0.2499



31.1105, 0.3605, 0.2290

Complementary

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



31.1105, 0.4314, 0.4957



2.9570, 0.1513, 0.0647

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.



31.1105, 0.2565, 0.1908



31.1105, 0.4314, 0.4957



31.1105, 0.1478, 0.1948

Square

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



31.1105, 0.4314, 0.4957



31.1105, 0.1748, 0.3522



31.1105, 0.1844, 0.1781



31.1105, 0.4645, 0.2865

Rectangle

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



31.1105, 0.4314, 0.4957



31.1105, 0.2748, 0.5017



31.1105, 0.1844, 0.1781



31.1105, 0.3235, 0.2137

Sweetspot

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



31.1122, 0.4314, 0.4957



62.5748, 0.3591, 0.3990



8.0322, 0.6298, 0.3243



13.5628, 0.3652, 0.4081



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



31.1122, 0.4314, 0.4957



55.5877, 0.4316, 0.4955



29.4174, 0.3492, 0.5610



8.1559, 0.3263, 0.3498



23.5601, 0.4312, 0.4958



0.5175, 0.4265, 0.4996

Inverse Universe

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



2.9570, 0.1513, 0.0647



5.1875, 0.1510, 0.0636



3.9736, 0.1880, 0.0809



6.9324, 0.2987, 0.3074



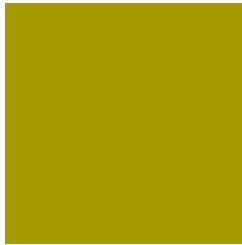
2.2658, 0.1515, 0.0655



0.0691, 0.1585, 0.0905

Previews

White Background



This preview shows how the Yxy color 31.1105, 0.4314, 0.4957 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 31.1105, 0.4314, 0.4957 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 31.1105, 0.4314, 0.4957

Background



This preview shows how black text looks on a background with the Yxy color 31.1105, 0.4314, 0.4957.



This preview shows how white text looks on a background with the Yxy color 31.1105, 0.4314, 0.4957.

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

31.1105, 0.4314, 0.4957

Protanopia

31.1144, 0.4402, 0.4887

Deuteranopia

31.0770, 0.4666, 0.4589



Tritanopia

30.9767, 0.3348, 0.3132

Trichromacy



Original Color

31.1105, 0.4314, 0.4957

Protanomaly

31.2175, 0.4368, 0.4914

Deuteranomaly

31.1540, 0.4544, 0.4726

Tritanomaly

30.4072, 0.3887, 0.4016

Monochromacy



Original Color

31.1105, 0.4314, 0.4957

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.3616, 0.3734, 0.4201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1105, 0.4314, 0.4957 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(165, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 154, 0)  
}
```

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(165, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 154, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.1105, 0.4314, 0.4957 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(165, 154, 0) }
```

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

```
.border{ border-color:rgb(165, 154, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 154, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 154,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1105, 0.4314, 0.4957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 154, 0) }
```

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

```
.background{ background-color: rgb(165,  
154, 0) }
```

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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