

Converting Colors

$Y_{xy}(37.6281, 0.4531, 0.4359)$

Have a look what the booklet for
Yxy(37.6281, 0.4531, 0.4359)
contains.

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Color

Yxy(37.8155, 0.4530, 0.4358)

Conversions

Conversions Part 1

Format	Color
Hex	D29C3D
RGB	210, 156, 61
RGB Percent	82%, 61%, 24%
CMY	0.1765, 0.3882, 0.7606
CMYK	0.00, 0.26, 0.71, 0.18
HSL	38°, 62%, 53%
HSV	38°, 71%, 82%
XYZ	39.3080, 37.8155, 9.6491
YIQ	161.3160, 62.6790, -18.0970

Conversions

Conversions Part 2

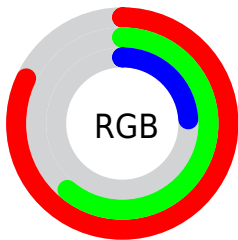
Format	Color
R _Y B	146, 210, 61
Decimal	13802557
CIE Lab	67.88, 10.95, 55.46
CIE LCh	68, 56.532, 78.831
Yxy	37.8155, 0.4530, 0.4358
Android (android.graphics.Color)	4291992637 (0xFFD29C3D)
YUV	161.3160, -49.4558, 42.6959
Hunter-Lab	61.4943, 6.4846, 33.7428

Details

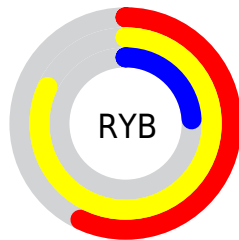
The Yxy color **37.8155, 0.4530, 0.4358** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **17.9151, 0.1950, 0.1774**, and the grayscale version is **36.0114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5454, 0.4175, 0.4254**, and **16.6825, 0.4844, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **35.1585, 0.4726, 0.4418**, and if you desaturate by 10%, it is **40.7249, 0.4316, 0.4255**.

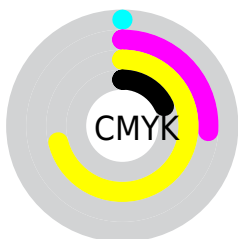
Distribution



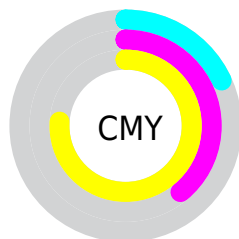
- Red (82%)
- Green (61%)
- Blue (24%)



- Red (57%)
- Yellow (82%)
- Blue (24%)



- Cyan (0%)
- Magenta (26%)
- Yellow (71%)
- Black (18%)





- Cyan (18%)
- Magenta (39%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8155, 0.4530, 0.4358 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 37.8155, 0.4530, 0.4358 by changing the saturation by 10% instead.


 37.8155, 0.4530,
0.4358

 37.8155, 0.4530,
0.4358


336.8279, 0.3845,
0.3873


 25.8395, 0.4680,
0.4449

 71.8253, 0.4293,
0.4201

 16.7036, 0.4853,
0.4542


 94.6278, 0.4200,
0.4136


 10.0234, 0.5052,
0.4629


 121.8081, 0.4120,
0.4078

 5.4145, 0.5295,
0.4705

 153.7503, 0.4050,
0.4027

 2.4924, 0.5414,
0.4586

 190.8391, 0.3989,
0.3982

 0.8729, 0.5628,
0.4372

233.4586, 0.3935,

 0.0000, 1.0000,

0.3941

0.0000

281.9934, 0.3887,
0.3905

■ 0.0000, 0.0000,
0.0000

■ 37.8155, 0.4530,
0.4358

■ 37.8155, 0.4530,
0.4358

■ 35.1585, 0.4726,
0.4418

■ 40.7249, 0.4316,
0.4255

■ 32.7343, 0.4893,
0.4427

■ 43.8932, 0.4095,
0.4120

■ 30.7175, 0.5021,
0.4396

■ 47.3330, 0.3878,
0.3964

■ 51.0543, 0.3670,
0.3797

■ 55.0663, 0.3477,
0.3628

■ 59.3777, 0.3300,
0.3462

■ 63.9967, 0.3141,
0.3304

■ 68.9311, 0.2999,
0.3155

■ 74.1883, 0.2872,
0.3017

Harmonies

Analogous

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



37.8155, 0.4798, 0.3762



37.8155, 0.4530, 0.4358



37.8155, 0.3901, 0.4794

Triad

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



37.8155, 0.4530, 0.4358



37.8155, 0.1870, 0.3182



37.8155, 0.2955, 0.2227

Complementary

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



37.8155, 0.4530, 0.4358



17.9151, 0.1950, 0.1774

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.



37.8155, 0.2248, 0.2040



37.8155, 0.4530, 0.4358



37.8155, 0.1696, 0.2471

Square

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



37.8155, 0.4530, 0.4358



37.8155, 0.2367, 0.4104



37.8155, 0.1825, 0.2105



37.8155, 0.3824, 0.2622

Rectangle

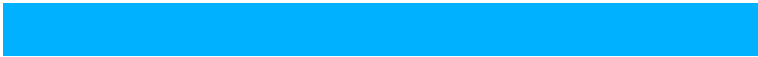
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.8155, 0.4530, 0.4358



37.8155, 0.3379, 0.4846



37.8155, 0.1825, 0.2105



37.8155, 0.2691, 0.2139

Sweetspot

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



37.8174, 0.4530, 0.4358



85.2542, 0.3482, 0.3633



18.2961, 0.4616, 0.2692



17.8668, 0.3535, 0.3680



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.



37.8174, 0.4530, 0.4358



52.6258, 0.4814, 0.4429



57.3893, 0.3904, 0.4962



13.0469, 0.3275, 0.3438



18.9363, 0.5005, 0.4408



1.2067, 0.4818, 0.4556

Inverse Universe

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



17.9151, 0.1950, 0.1774



20.3147, 0.1766, 0.1423



9.7409, 0.1888, 0.1102



12.1091, 0.2982, 0.3138



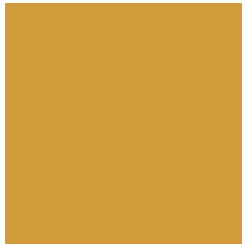
6.1756, 0.1658, 0.1168



0.4944, 0.1762, 0.1543

Previews

White Background



This preview shows how the Yxy color 37.8155, 0.4530, 0.4358 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 37.8155, 0.4530, 0.4358 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 37.8155, 0.4530, 0.4358

Background



This preview shows how black text looks on a background with the Yxy color 37.8155, 0.4530, 0.4358.



This preview shows how white text looks on a background with the Yxy color 37.8155, 0.4530, 0.4358.

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

37.8155, 0.4530, 0.4358

Protanopia

37.9569, 0.4171, 0.4580

Deuteranopia

37.7163, 0.4492, 0.4385



Tritanopia

37.7438, 0.3763, 0.3158

Trichromacy



Original Color

37.8155, 0.4530, 0.4358

Protanomaly

37.6689, 0.4303, 0.4495

Deuteranomaly

37.8608, 0.4501, 0.4380

Tritanomaly

37.5140, 0.4088, 0.3639

Monochromacy



Original Color

37.8155, 0.4530, 0.4358

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.8606, 0.3650, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8155, 0.4530, 0.4358 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(210, 156, 61)` looks like.

```
.text, #text, p{  
    color:rgb(210, 156, 61)  
}
```

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(210, 156, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 156, 61) }
```

Border

The CSS property to change the border of an element to Yxy 37.8155, 0.4530, 0.4358 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(210, 156, 61) }
```

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

```
.border{ border-color:rgb(210, 156, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 156, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 156, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 156, 61);  
box-shadow:4px 4px 4px 4px rgb(210, 156,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8155, 0.4530, 0.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 156, 61) }
```

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

```
.background{ background-color: rgb(210,  
156, 61) }
```

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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