

Converting Colors

$Yxy(41.5143, 0.4633, 0.4635)$

Have a look what the booklet for
Yxy(41.5143, 0.4633, 0.4635)
contains.

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Color

Yxy(41.6227, 0.4628, 0.4641)

Conversions

Conversions Part 1

Format	Color
Hex	D6A615
RGB	214, 166, 21
RGB Percent	84%, 65%, 8%
CMY	0.1607, 0.3490, 0.9176
CMYK	0.00, 0.22, 0.90, 0.16
HSL	45°, 82%, 46%
HSV	45°, 90%, 84%
XYZ	41.5061, 41.6227, 6.5560
YIQ	163.8220, 75.1530, -34.9190

Conversions

Conversions Part 2

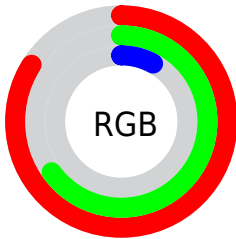
Format	Color
RYB	85, 214, 21
Decimal	14067221
CIELab	70.61, 6.02, 70.94
CIELCh	71, 71.194, 85.149
Yxy	41.6227, 0.4628, 0.4641
Android (android.graphics.Color)	4292257301 (0xFFD6A615)
YUV	163.8220, -70.4112, 44.0061
Hunter-Lab	64.5157, 1.9355, 39.1360

Details

The Yxy color **41.6227, 0.4628, 0.4641** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **9.2745, 0.1647, 0.1048**, and the grayscale version is **37.3520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6288, 0.4255, 0.4558**, and **19.1315, 0.4716, 0.4637** is the 20% darker color. If you saturate the color by 10%, you get **39.7086, 0.4720, 0.4634**, and if you desaturate by 10%, it is **43.7167, 0.4508, 0.4606**.

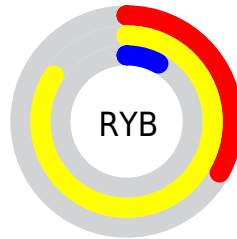
Distribution



Red (84%)

Green (65%)

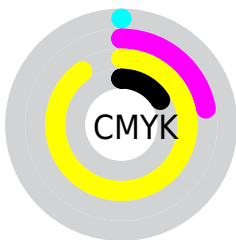
Blue (8%)



Red (33%)

Yellow (84%)

Blue (8%)

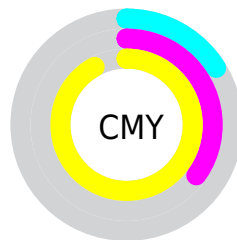


Cyan (0%)

Magenta (22%)

Yellow (90%)

Black (16%)



Cyan (16%)


Magenta (35%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.6227, 0.4628, 0.4641 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 41.6227, 0.4628, 0.4641 by changing the saturation by 10% instead.


 41.6227, 0.4628,
0.4641

 41.6227, 0.4628,
0.4641

352.9165, 0.3949,
0.4058


 28.8060, 0.4752,
0.4736


 77.6283, 0.4411,
0.4463

 18.9341, 0.4881,
0.4825

 101.5859, 0.4320,
0.4386


 11.6227, 0.5056,
0.4944


 130.0260, 0.4239,
0.4316

 6.4873, 0.5094,
0.4906

 163.3329, 0.4167,
0.4253

 3.1436, 0.5154,
0.4846

 201.8910, 0.4103,
0.4196

 1.2071, 0.5256,
0.4744

 246.0847, 0.4046,

 0.0675, 0.7577,

0.4145

0.2423

296.2984, 0.3995,
0.4099

■ 0.0000, 0.0000,
0.0000

■ 41.6227, 0.4628,
0.4641

■ 41.6227, 0.4628,
0.4641

■ 39.7086, 0.4720,
0.4634

■ 43.7167, 0.4508,
0.4606

■ 45.9716, 0.4359,
0.4523

■ 48.4019, 0.4189,
0.4398

■ 51.0180, 0.4006,
0.4240

■ 53.8292, 0.3817,
0.4060

■ 56.8440, 0.3631,
0.3867

■ 60.0701, 0.3453,
0.3671

■ 63.5147, 0.3285,
0.3479

■ 67.1846, 0.3130,
0.3293

Harmonies

Analogous

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



41.6227, 0.5100, 0.3934



41.6227, 0.4628, 0.4641



41.6227, 0.3807, 0.5161

Triad

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



41.6227, 0.4628, 0.4641



41.6227, 0.1568, 0.2914



41.6227, 0.3119, 0.2122

Complementary

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



41.6227, 0.4628, 0.4641



9.2745, 0.1647, 0.1048

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.



41.6227, 0.2226, 0.1853



41.6227, 0.4628, 0.4641



41.6227, 0.1460, 0.2172

Square

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



41.6227, 0.4628, 0.4641



41.6227, 0.2047, 0.4053



41.6227, 0.1676, 0.1852



41.6227, 0.4185, 0.2613

Rectangle

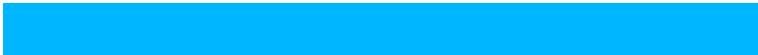
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.6227, 0.4628, 0.4641



41.6227, 0.3180, 0.5173



41.6227, 0.1676, 0.1852



41.6227, 0.2787, 0.2005

Sweetspot

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



41.6248, 0.4628, 0.4641



85.8862, 0.3578, 0.3810



15.2678, 0.5654, 0.2968



18.0381, 0.3641, 0.3878



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.



41.6248, 0.4628, 0.4641



58.7680, 0.4726, 0.4629



56.2352, 0.3776, 0.5327



13.9723, 0.3272, 0.3464



24.1703, 0.4710, 0.4642



1.5850, 0.4602, 0.4728

Inverse Universe

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



9.2745, 0.1647, 0.1048



10.8235, 0.1571, 0.0857



6.6673, 0.1737, 0.0778



12.5056, 0.2982, 0.3110



4.6263, 0.1582, 0.0894



0.4114, 0.1676, 0.1232

Previews

White Background



This preview shows how the Yxy color 41.6227, 0.4628, 0.4641 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 41.6227, 0.4628, 0.4641 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 41.6227, 0.4628, 0.4641

Background



This preview shows how black text looks on a background with the Yxy color 41.6227, 0.4628, 0.4641.



This preview shows how white text looks on a background with the Yxy color 41.6227, 0.4628, 0.4641.

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

41.6227, 0.4628, 0.4641

Protanopia

41.5511, 0.4372, 0.4831

Deuteranopia

41.5182, 0.4681, 0.4590



Tritanopia

41.3940, 0.3694, 0.3149

Trichromacy



Original Color

41.6227, 0.4628, 0.4641

Protanomaly

41.3639, 0.4472, 0.4758

Deuteranomaly

41.7199, 0.4664, 0.4609

Tritanomaly

40.7060, 0.4180, 0.3831

Monochromacy



Original Color

41.6227, 0.4628, 0.4641

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.0252, 0.3775, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6227, 0.4628, 0.4641 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(214, 166, 21)` looks like.

```
.text, #text, p{  
    color:rgb(214, 166, 21)  
}
```

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(214, 166, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 166, 21) }
```

Border

The CSS property to change the border of an element to Yxy 41.6227, 0.4628, 0.4641 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(214, 166, 21) }
```

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

```
.border{ border-color:rgb(214, 166, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 166, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 166, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 166, 21);  
box-shadow:4px 4px 4px 4px rgb(214, 166,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6227, 0.4628, 0.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 166, 21) }
```

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

```
.background{ background-color: rgb(214,  
166, 21) }
```

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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