

Converting Colors

$Yxy(41.6725, 0.4756, 0.4469)$

Have a look what the booklet for
Yxy(41.6725, 0.4756, 0.4469)
contains.

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Color

Yxy(41.7740, 0.4753, 0.4472)

Conversions

Conversions Part 1

Format	Color
Hex	E2A122
RGB	226, 161, 34
RGB Percent	89%, 63%, 13%
CMY	0.1137, 0.3686, 0.8665
CMYK	0.00, 0.29, 0.85, 0.11
HSL	40°, 77%, 51%
HSV	40°, 85%, 89%
XYZ	44.3989, 41.7740, 7.2395
YIQ	165.9570, 79.5070, -25.7170

Conversions

Conversions Part 2

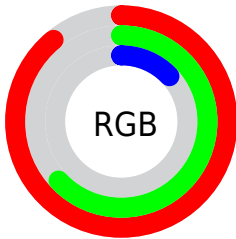
Format	Color
RYB	132, 226, 34
Decimal	14852386
CIELab	70.71, 14.18, 68.48
CIELCh	71, 69.938, 78.299
Yxy	41.7740, 0.4753, 0.4472
Android (android.graphics.Color)	4293042466 (0xFFE2A122)
YUV	165.9570, -65.0548, 52.6577
Hunter-Lab	64.6328, 9.5114, 38.6020

Details

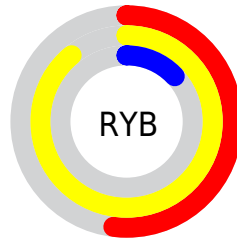
The Yxy color **41.7740, 0.4753, 0.4472** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **14.7639, 0.1755, 0.1374**, and the grayscale version is **38.4068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1444, 0.4255, 0.4470**, and **19.1512, 0.4925, 0.4472** is the 20% darker color. If you saturate the color by 10%, you get **39.0921, 0.4895, 0.4463**, and if you desaturate by 10%, it is **44.7094, 0.4579, 0.4429**.

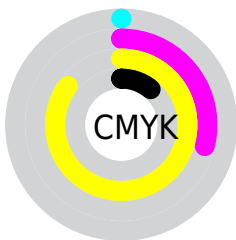
Distribution



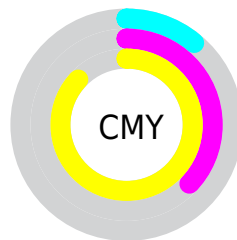
- Red (89%)
- Green (63%)
- Blue (13%)



- Red (52%)
- Yellow (89%)
- Blue (13%)



- Cyan (0%)
- Magenta (29%)
- Yellow (85%)
- Black (11%)




- Cyan (11%)
- Magenta (37%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7740, 0.4753, 0.4472 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 41.7740, 0.4753, 0.4472 by changing the saturation by 10% instead.


 41.7740, 0.4753,
0.4472


 41.7740, 0.4753,
0.4472

353.5452, 0.3999,
0.3981


 28.9244, 0.4900,
0.4545


 77.8575, 0.4506,
0.4328


 19.0236, 0.5060,
0.4608


 101.8601, 0.4404,
0.4263

 11.6873, 0.5270,
0.4682


 130.3492, 0.4315,
0.4204

 6.5312, 0.5383,
0.4617


 163.7091, 0.4236,
0.4150

 3.1707, 0.5515,
0.4485

 202.3243, 0.4167,
0.4101

 1.2215, 0.5739,
0.4261

 246.5791, 0.4105,

 0.0791, 0.8419,

0.4057

0.1581

296.8579, 0.4049,
0.4017

■ 0.0000, 0.0000,
0.0000

■ 41.7740, 0.4753,
0.4472

■ 41.7740, 0.4753,
0.4472

■ 39.0921, 0.4895,
0.4463

■ 44.7094, 0.4579,
0.4429

■ 37.8151, 0.4959,
0.4445

■ 47.9094, 0.4381,
0.4339

■ 51.3906, 0.4170,
0.4211

■ 55.1660, 0.3956,
0.4057

■ 59.2472, 0.3748,
0.3887

■ 63.6450, 0.3551,
0.3712

■ 68.3694, 0.3369,
0.3538

■ 73.4299, 0.3203,
0.3370

■ 78.8355, 0.3054,
0.3211

Harmonies

Analogous

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



41.7740, 0.5097, 0.3772



41.7740, 0.4753, 0.4472



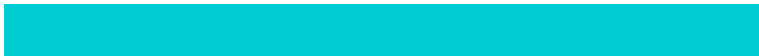
41.7740, 0.4004, 0.5051

Triad

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



41.7740, 0.4753, 0.4472



41.7740, 0.1667, 0.3154



41.7740, 0.2894, 0.2057

Complementary

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



41.7740, 0.4753, 0.4472



14.7639, 0.1755, 0.1374

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.



41.7740, 0.2086, 0.1849



41.7740, 0.4753, 0.4472



41.7740, 0.1479, 0.2319

Square

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



41.7740, 0.4753, 0.4472



41.7740, 0.2227, 0.4301



41.7740, 0.1621, 0.1915



41.7740, 0.3933, 0.2498

Rectangle

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



41.7740, 0.4753, 0.4472



41.7740, 0.3398, 0.5174



41.7740, 0.1621, 0.1915



41.7740, 0.2589, 0.1960

Sweetspot

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



41.7761, 0.4753, 0.4472



83.5449, 0.3555, 0.3716



18.2599, 0.5146, 0.2740



17.4347, 0.3623, 0.3778



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.



41.7761, 0.4753, 0.4472



49.5077, 0.4965, 0.4440



66.4084, 0.3931, 0.5162



15.2069, 0.3276, 0.3445



21.8010, 0.4943, 0.4457



1.6748, 0.4799, 0.4572

Inverse Universe

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



14.7639, 0.1755, 0.1374



13.9308, 0.1628, 0.1059



7.6892, 0.1691, 0.0796



13.9981, 0.2981, 0.3131



6.3203, 0.1639, 0.1099



0.5998, 0.1725, 0.1409

Previews

White Background



This preview shows how the Yxy color 41.7740, 0.4753, 0.4472 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 41.7740, 0.4753, 0.4472 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 41.7740, 0.4753, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 41.7740, 0.4753, 0.4472.



This preview shows how white text looks on a background with the Yxy color 41.7740, 0.4753, 0.4472.

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

41.7740, 0.4753, 0.4472

Protanopia

42.0078, 0.4323, 0.4782

Deuteranopia

41.7153, 0.4665, 0.4553



Tritanopia

41.7095, 0.3867, 0.3166

Trichromacy



Original Color

41.7740, 0.4753, 0.4472

Protanomaly

41.6251, 0.4481, 0.4667

Deuteranomaly

41.8338, 0.4700, 0.4520

Tritanomaly

41.1720, 0.4293, 0.3738

Monochromacy



Original Color

41.7740, 0.4753, 0.4472

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.5503, 0.3787, 0.3916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7740, 0.4753, 0.4472 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(226, 161, 34)` looks like.

```
.text, #text, p{  
    color:rgb(226, 161, 34)  
}
```

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(226, 161, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 161, 34) }
```

Border

The CSS property to change the border of an element to Yxy 41.7740, 0.4753, 0.4472 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(226, 161, 34) }
```

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

```
.border{ border-color:rgb(226, 161, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 161, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 161, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 161, 34);  
box-shadow:4px 4px 4px 4px rgb(226, 161,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7740, 0.4753, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 161, 34) }
```

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

```
.background{ background-color: rgb(226,  
161, 34) }
```

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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