

# Converting Colors

$Yxy(61.1662, 0.4294, 0.4954)$

Have a look what the booklet for  
Yxy(61.1662, 0.4294, 0.4954)  
contains.

<b>Yxy(61.1524, 0.4292, 0.4954)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(61.1524, 0.4292, 0.4954)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED10A
RGB	222, 209, 10
RGB Percent	87%, 82%, 4%
CMY	0.1294, 0.1804, 0.9595
CMYK	0.00, 0.06, 0.95, 0.13
HSL	56°, 91%, 46%
HSV	56°, 95%, 87%
XYZ	52.9806, 61.1524, 9.3074
YIQ	190.2010, 71.6270, -59.1330

# Conversions

## Conversions Part 2

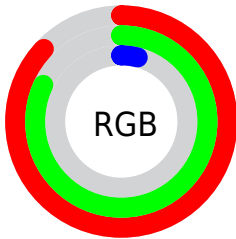
Format	Color
R <sub>Y</sub> B	24, 222, 10
Decimal	14602506
CIE Lab	82.46, -12.91, 81.66
CIE LCh	82, 82.671, 98.981
Yxy	61.1524, 0.4292, 0.4954
Android (android.graphics.Color)	4292792586 (0xFFDED10A)
YUV	190.2010, -88.8391, 27.8877
Hunter-Lab	78.2000, -15.9159, 47.6833

# Details

The Yxy color **61.1524, 0.4292, 0.4954** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **5.9667, 0.1529, 0.0669**, and the grayscale version is **52.1299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **31.1241, 0.4270, 0.4992** is the 20% darker color. If you saturate the color by 10%, you get **60.8218, 0.4306, 0.4963**, and if you desaturate by 10%, it is **61.9115, 0.4249, 0.4915**.

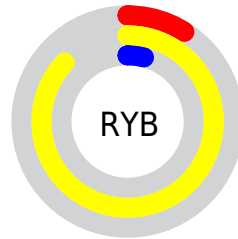
# Distribution



Red (87%)

Green (82%)

Blue (4%)



Red (9%)

Yellow (87%)

Blue (4%)

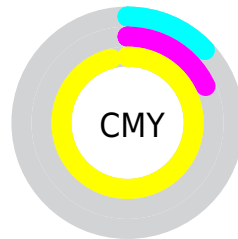


Cyan (0%)

Magenta (6%)

Yellow (95%)

Black (13%)



Cyan (13%)

Magenta (18%)


Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1524, 0.4292, 0.4954 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 61.1524, 0.4292, 0.4954 by changing the saturation by 10% instead.




 61.1524, 0.4292,  
0.4954


 61.1524, 0.4292,  
0.4954


428.8326, 0.3834,  
0.4232


 44.3482, 0.4359,  
0.5085


 106.4996, 0.4161,  
0.4727


 30.9443, 0.4420,  
0.5226


 135.8113, 0.4101,  
0.4631


 20.5565, 0.4466,  
0.5373


 170.0610, 0.4046,  
0.4545

 12.8002, 0.4481,  
0.5519

 209.6330, 0.3995,  
0.4468

 7.2911, 0.4398,  
0.5602

 254.9118, 0.3949,  
0.4400

 3.6448, 0.4270,  
0.5730

 306.2817, 0.3907,

 1.4769, 0.4051,

0.4338

0.5949

364.1272, 0.3869,  
0.4283

■ 0.2724, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.1524, 0.4292,  
0.4954

■ 61.1524, 0.4292,  
0.4954

■ 60.8218, 0.4306,  
0.4963

■ 61.9115, 0.4249,  
0.4915

■ 62.7550, 0.4180,  
0.4832

■ 63.6998, 0.4084,  
0.4706

■ 64.7572, 0.3964,  
0.4539

65.9372, 0.3825,  
0.4341

67.2484, 0.3674,  
0.4119

68.6987, 0.3517,  
0.3885

70.2954, 0.3360,  
0.3647

72.0452, 0.3206,  
0.3412

# Harmonies

## Analogous

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



61.1524, 0.4973, 0.4272



61.1524, 0.4292, 0.4954



61.1524, 0.3374, 0.5254

# Triad

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



61.1524, 0.4292, 0.4954



61.1524, 0.1449, 0.2495



61.1524, 0.3620, 0.2307

# Complementary

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



61.1524, 0.4292, 0.4954



5.9667, 0.1529, 0.0669

# 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.



61.1524, 0.2587, 0.1924



61.1524, 0.4292, 0.4954



61.1524, 0.1495, 0.1955

# Square

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



61.1524, 0.4292, 0.4954



61.1524, 0.1752, 0.3500



61.1524, 0.1865, 0.1793



61.1524, 0.4643, 0.2882



# Rectangle

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



61.1524, 0.4292, 0.4954



61.1524, 0.2738, 0.4982



61.1524, 0.1865, 0.1793



61.1524, 0.3254, 0.2154

# Sweetspot

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



61.1553, 0.4292, 0.4954



93.2558, 0.3579, 0.3977



15.8217, 0.6260, 0.3258



19.7798, 0.3646, 0.4077



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.



61.1553, 0.4292, 0.4954



83.1956, 0.4307, 0.4962



57.0324, 0.3477, 0.5597



15.8778, 0.3269, 0.3508



36.1881, 0.4304, 0.4964



2.5527, 0.4285, 0.4979



# Inverse Universe

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



5.9667, 0.1529, 0.0669



7.5804, 0.1508, 0.0627



8.3265, 0.1940, 0.0860



13.3776, 0.2981, 0.3063



3.3674, 0.1511, 0.0640

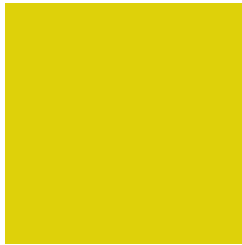


0.2817, 0.1543, 0.0756



# Previews

## White Background



This preview shows how the Yxy color 61.1524, 0.4292, 0.4954 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 61.1524, 0.4292, 0.4954 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 61.1524, 0.4292, 0.4954**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.1524, 0.4292, 0.4954.



This preview shows how white text looks on a background with the Yxy color 61.1524, 0.4292, 0.4954.

# 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

61.1524, 0.4292, 0.4954

### Protanopia

61.1469, 0.4394, 0.4880

### Deuteranopia

60.7451, 0.4516, 0.4432



## Tritanopia

60.8492, 0.3344, 0.3128

# Trichromacy



## Original Color

61.1524, 0.4292, 0.4954

## Protanomaly

61.1372, 0.4360, 0.4905

## Deuteranomaly

60.5850, 0.4465, 0.4650

## Tritanomaly

59.4760, 0.3860, 0.3987

# Monochromacy



## Original Color

61.1524, 0.4292, 0.4954

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

53.9697, 0.3715, 0.4175

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.1524, 0.4292, 0.4954 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(222, 209, 10)` looks like.

```
.text, #text, p{  
    color:rgb(222, 209, 10)  
}
```

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(222, 209, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 209, 10) }
```

## Border

The CSS property to change the border of an element to Yxy 61.1524, 0.4292, 0.4954 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(222, 209, 10) }
```

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

```
.border{ border-color:rgb(222, 209, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 209, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 209, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 209, 10);  
box-shadow:4px 4px 4px 4px rgb(222, 209,  
10) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.1524, 0.4292, 0.4954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 209, 10) }
```

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

```
.background{ background-color: rgb(222,  
209, 10) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor