

# Converting Colors

XYZ(14.7033, 15.5511, 3.2546)

Have a look what the booklet for  
XYZ(14.7033, 15.5511, 3.2546)  
contains.

<b>XYZ(14.6137, 15.4714, 3.2530)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(14.6137, 15.4714,  
3.2530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	816C1B
RGB	129, 108, 27
RGB Percent	51%, 42%, 11%
CMY	0.4941, 0.5765, 0.8941
CMYK	0.00, 0.16, 0.79, 0.49
HSL	48°, 65%, 31%
HSV	48°, 79%, 51%
XYZ	14.6137, 15.4714, 3.2530
YIQ	105.0450, 38.5170, -20.7390

# Conversions

## Conversions Part 2

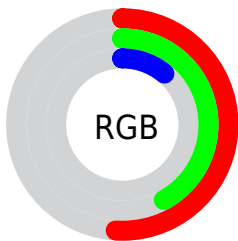
<b>Format</b>	<b>Color</b>
<b>RYB</b>	53, 129, 27
Decimal	8481819
CIELab	46.27, -0.56, 45.31
CIElCh	46, 45.312, 90.705
Yxy	15.4714, 0.4383, 0.4641
Android (android.graphics.Color)	4286671899 (0xFF816C1B)
YUV	105.0450, -38.4762, 21.0085
Hunter-Lab	39.3337, -2.5156, 22.6302

# Details

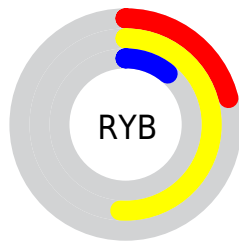
The XYZ color **14.6137, 15.4714, 3.2530** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.4715, 3.9319, 21.2394**, and the grayscale version is **13.5336, 14.2384, 15.5056**.

A 20% lighter version of the original color is **33.7809, 35.6606, 12.3105**, and **4.7293, 4.9153, 0.6995** is the 20% darker color. If you saturate the color by 10%, you get **14.2203, 14.8733, 2.5405**, and if you desaturate by 10%, it is **15.0819, 16.1143, 4.3144**.

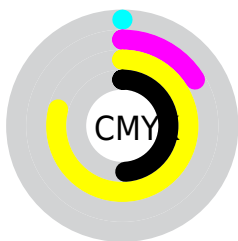
# Distribution



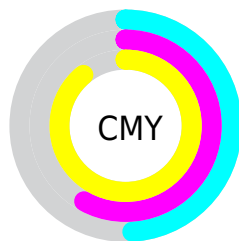
- Red (51%)
- Green (42%)
- Blue (11%)



- Red (21%)
- Yellow (51%)
- Blue (11%)



- Cyan (0%)
- Magenta (16%)
- Yellow (79%)
- Black (49%)



- Cyan (49%)
- Magenta (58%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6137, 15.4714, 3.2530 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 XYZ color 14.6137, 15.4714, 3.2530 by changing the saturation by 10% instead.



■ 14.6137, 15.4714,  
3.2530

■ 14.6137, 15.4714,  
3.2530

214.4510,  
226.2020, 139.5205

■ 8.6333, 9.1509,  
1.2252

■ 33.7513, 35.6781,  
12.2466

■ 4.5579, 4.8397,  
0.0000

■ 47.6392, 50.3330,  
20.0495

■ 2.0224, 2.1535,  
0.0000

■ 64.8936, 68.5349,  
30.6145

■ 0.6465, 0.6945,  
0.0000

■ 85.8799, 90.6681,  
44.3602

■ 0.0000, 0.0000,  
0.0000

■ 110.9634,  
117.1170, 61.7051

■ 140.5096,

148.2660, 83.0678

174.8837,  
184.4996, 108.8667

14.6137, 15.4714,  
3.2530

14.6137, 15.4714,  
3.2530

14.2203, 14.8733,  
2.5405

15.0819, 16.1143,  
4.3144

13.8796, 14.3092,  
2.0650

15.6316, 16.8029,  
5.7639

13.8484, 14.2575,  
2.0221

16.2698, 17.5409,  
7.6368

17.0025, 18.3306,  
9.9637

17.8350, 19.1743,  
12.7728

■ 18.7722, 20.0742,  
16.0897

■ 19.8188, 21.0322,  
19.9384

■ 20.9791, 22.0501,  
24.3412

■ 22.2571, 23.1297,  
29.3191

# Harmonies

## Analogous

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



18.6584, 15.4714, 4.2514



14.6137, 15.4714, 3.2530



11.2208, 15.4714, 4.3570

# Triad

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



14.6137, 15.4714, 3.2530



9.1864, 15.4714, 30.2515



22.2029, 15.4714, 29.5852

# Complementary

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



14.6137, 15.4714, 3.2530



5.4715, 3.9319, 21.2394

# 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.



18.8449, 15.4714, 42.6429



14.6137, 15.4714, 3.2530



11.3538, 15.4714, 43.1320

# Square

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



14.6137, 15.4714, 3.2530



8.4448, 15.4714, 17.1094



14.7969, 15.4714, 48.4378



23.4794, 15.4714, 16.5848



# Rectangle

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



14.6137, 15.4714, 3.2530



9.6620, 15.4714, 6.6269



14.7969, 15.4714, 48.4378



21.2541, 15.4714, 34.2850

# Sweetspot

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



14.6141, 15.4721, 3.2533



32.6709, 35.0504, 25.4338



10.0018, 5.6738, 3.4851



7.2836, 7.8255, 5.3665



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901



# Same Dimension

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



14.6141, 15.4721, 3.2533



24.9766, 25.8124, 3.9075



13.3148, 18.4947, 3.9052



4.5926, 4.8738, 4.6188



13.5054, 13.9072, 1.9725



0.0000, 0.0000, 0.0000



# Inverse Universe

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



5.4715, 3.9319, 21.2394



8.0055, 4.5013, 37.6394



5.9799, 3.2070, 21.0727



4.1751, 4.3441, 5.4317



4.2383, 2.2951, 20.4696



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the XYZ color 14.6137, 15.4714, 3.2530 looks on a white 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 × Fail



# Black Background



This preview shows how the XYZ color 14.6137, 15.4714, 3.2530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 14.6137, 15.4714, 3.2530**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.6137, 15.4714, 3.2530.



This preview shows how white text looks on a background with the XYZ color 14.6137, 15.4714,



# 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

14.6137, 15.4714, 3.2530

### Protanopia

13.9539, 15.4467, 3.3447

### Deuteranopia

15.6533, 15.3926, 3.3084



## Tritanopia

17.3521, 15.5410, 16.2725

# Trichromacy



## Original Color

14.6137, 15.4714, 3.2530

## Protanomaly

14.1357, 15.3811, 3.3224

## Deuteranomaly

15.2528, 15.3379, 3.2552

## Tritanomaly

16.0345, 15.4517, 9.5345

# Monochromacy



## Original Color

14.6137, 15.4714, 3.2530

## Achromatopsia

13.4271, 14.1263, 15.3836

## Achromatomaly

13.4330, 14.4213, 9.0968

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.6137, 15.4714, 3.2530 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(129, 108, 27)` looks like.

```
.text, #text, p{  
    color:rgb(129, 108, 27)  
}
```

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(129, 108, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 108, 27) }
```

## Border

The CSS property to change the border of an element to XYZ 14.6137, 15.4714, 3.2530 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(129, 108, 27) }
```



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

```
.border{ border-color:rgb(129, 108, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 108, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 108, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 108, 27);  
box-shadow:4px 4px 4px 4px rgb(129, 108,  
27) }
```

# Background

The CSS property to change the background color of an element to XYZ 14.6137, 15.4714, 3.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 108, 27) }
```

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

```
.background{ background-color: rgb(129,  
108, 27) }
```

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