

# Converting Colors

XYZ(15.2650, 30.3309, 5.3977)

Have a look what the booklet for  
XYZ(15.2650, 30.3309, 5.3977)  
contains.

<b>XYZ(15.2650, 30.3309, 5.3977)</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> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(15.2650, 30.3309,  
5.3977)**

# Conversions

## Conversions Part 1

Format	Color
Hex	05AE0C
RGB	5, 174, 12
RGB Percent	2%, 68%, 5%
CMY	0.9804, 0.3176, 0.9529
CMYK	0.97, 0.00, 0.93, 0.32
HSL	122°, 94%, 35%
HSV	122°, 97%, 68%
XYZ	15.2650, 30.3309, 5.3977
YIQ	105.0010, -48.7220, -86.2100

# Conversions

## Conversions Part 2

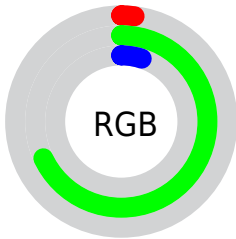
<b>Format</b>	<b>Color</b>
<b>RYB</b>	5, 167, 174
Decimal	372236
CIELab	61.94, -64.16, 60.91
CIELCh	62, 88.465, 136.490
Yxy	30.3309, 0.2994, 0.5948
Android (android.graphics.Color)	4278562316 (0xFF05AE0C)
YUV	105.0010, -45.8495, -87.7009
Hunter-Lab	55.0735, -46.9029, 32.7405

# Details

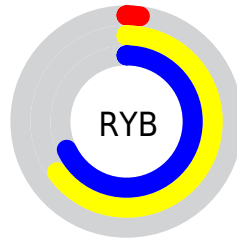
The XYZ color **15.2650, 30.3309, 5.3977** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **24.4847, 11.8973, 37.5605**, and the grayscale version is **13.5584, 14.2645, 15.5341**.

A 20% lighter version of the original color is **34.9170, 60.2577, 17.1877**, and **6.7165, 13.4329, 2.2388** is the 20% darker color. If you saturate the color by 10%, you get **15.1762, 30.2891, 5.2539**, and if you desaturate by 10%, it is **15.6944, 30.5357, 6.2093**.

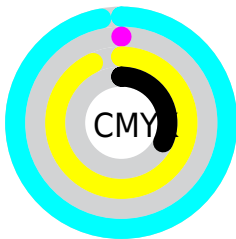
# Distribution



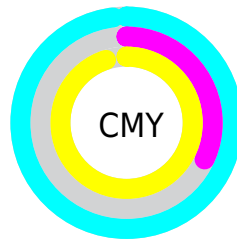
- Red (2%)
- Green (68%)
- Blue (5%)



- Red (2%)
- Yellow (65%)
- Blue (68%)



- Cyan (97%)
- Magenta (0%)
- Yellow (93%)
- Black (32%)




- Cyan (98%)
- Magenta (32%)
- Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2650, 30.3309, 5.3977 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 15.2650, 30.3309, 5.3977 by changing the saturation by 10% instead.





 15.2650, 30.3309,  
5.3977


 15.2650, 30.3309,  
5.3977


218.3213,  
303.4438, 162.6834


 9.0931, 20.0899,  
2.4197


 34.8853, 60.1851,  
17.1229


 4.8596, 12.4604,  
0.7971


 49.0643, 80.5670,  
26.7071


 2.1990, 7.0580,  
0.0000


 66.6432, 105.0981,  
39.3305

 0.7422, 3.4984,  
0.0000

 87.9871, 134.1627,  
55.4115

 0.0000, 1.3972,  
0.0000

 113.4616,  
168.1451, 75.3688

 0.0000, 0.2146,  
0.0000

 143.4319,

 0.0000, 0.0000,

207.4299, 99.6209

0.0000

178.2633,  
252.4013, 128.5862

■ 15.2650, 30.3309,  
5.3977

■ 15.2650, 30.3309,  
5.3977

■ 15.1762, 30.2891,  
5.2539

■ 15.6944, 30.5357,  
6.2093

■ 16.4849, 30.9128,  
7.6181

■ 17.7064, 31.4975,  
9.7109

■ 19.4087, 32.3137,  
12.5594

■ 21.6346, 33.3824,  
16.2265

■ 24.4224, 34.7219,  
20.7685

■ 27.8065, 36.3489,  
26.2366

■ 31.8188, 38.2789,  
32.6780

■ 36.4888, 40.5262,  
40.1369

# Harmonies

## Analogous

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



22.8353, 30.3309, 1.6559



15.2650, 30.3309, 5.3977



11.8703, 30.3309, 20.0109

# Triad

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



15.2650, 30.3309, 5.3977



23.8287, 30.3309, 145.7031



56.6447, 30.3309, 17.7556

# Complementary

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



15.2650, 30.3309, 5.3977



24.4847, 11.8973, 37.5605

# 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.



57.1269, 30.3309, 50.7265



15.2650, 30.3309, 5.3977



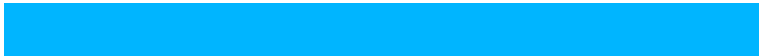
35.7883, 30.3309, 143.3546

# Square

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



15.2650, 30.3309, 5.3977



15.8197, 30.3309, 106.5099



48.7013, 30.3309, 101.3602



47.5231, 30.3309, 4.7121



# Rectangle

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



15.2650, 30.3309, 5.3977



11.6043, 30.3309, 40.9595



48.7013, 30.3309, 101.3602



57.8943, 30.3309, 26.1880

# Sweetspot

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



15.2657, 30.3322, 5.3984



48.8692, 65.1773, 45.0631



31.3913, 38.6497, 5.9493



10.2851, 14.2091, 9.0844



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



15.2657, 30.3322, 5.3984



27.5070, 54.9315, 9.4235



17.2710, 31.1343, 15.9581



7.9175, 8.9445, 8.5904



11.0125, 21.9703, 3.8395



0.3106, 0.6129, 0.1293



# Inverse Universe

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



24.4847, 11.8973, 37.5605



44.2566, 21.3603, 67.8000



19.1056, 9.7456, 9.2347



8.3225, 8.1423, 10.0091



17.7105, 8.5468, 27.1849

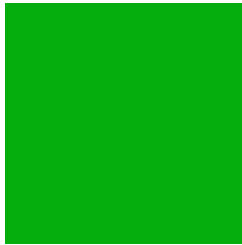


0.4970, 0.2395, 0.7790



# Previews

## White Background



This preview shows how the XYZ color 15.2650, 30.3309, 5.3977 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

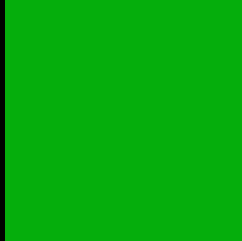
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 15.2650, 30.3309, 5.3977 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

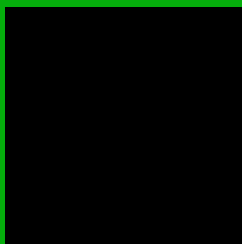
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 15.2650, 30.3309, 5.3977**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.2650, 30.3309, 5.3977.



This preview shows how white text looks on a background with the XYZ color 15.2650, 30.3309,



# 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

15.2650, 30.3309, 5.3977

### Protanopia

26.8959, 29.8197, 4.3382

### Deuteranopia

30.3846, 29.7610, 6.0625



## Tritanopia

23.4058, 30.3523, 45.1824

# Trichromacy



## Original Color

15.2650, 30.3309, 5.3977



## Protanomaly

18.5554, 27.7137, 4.4862



## Deuteranomaly

19.4982, 26.9361, 5.3339



## Tritanomaly

18.0075, 29.1618, 21.2027

# Monochromacy



## Original Color

15.2650, 30.3309, 5.3977



## Achromatopsia

13.4271, 14.1263, 15.3836



## Achromatomaly

11.5742, 17.6854, 8.7648

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.2650, 30.3309, 5.3977 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(5, 174, 12)` looks like.

```
.text, #text, p{  
    color:rgb(5, 174, 12)  
}
```

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(5, 174, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 174, 12) }
```

## Border

The CSS property to change the border of an element to XYZ 15.2650, 30.3309, 5.3977 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(5, 174, 12) }
```



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

```
.border{ border-color:rgb(5, 174, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 174, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 174, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 174, 12);  
box-shadow:4px 4px 4px 4px rgb(5, 174, 12)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 15.2650, 30.3309, 5.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 174, 12) }
```

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

```
.background{ background-color: rgb(5, 174,  
12) }
```

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