

# Converting Colors

XYZ(14.6121, 25.0691, 4.0687)

Have a look what the booklet for  
XYZ(14.6121, 25.0691, 4.0687)  
contains.

<b>XYZ(14.7125, 25.2328, 4.0950)</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(14.7125, 25.2328,  
4.0950)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4A9C00
RGB	74, 156, 0
RGB Percent	29%, 61%, 0%
CMY	0.7098, 0.3882, 0.9999
CMYK	0.53, 0.00, 1.00, 0.39
HSL	92°, 100%, 31%
HSV	92°, 100%, 61%
XYZ	14.7125, 25.2328, 4.0950
YIQ	113.6980, 1.2040, -65.9000

# Conversions

## Conversions Part 2

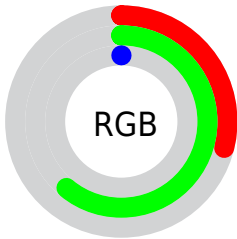
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 156, 82
Decimal	4889600
CIELab	57.30, -47.49, 59.37
CIELCh	57, 76.031, 128.655
Yxy	25.2328, 0.3341, 0.5729
Android (android.graphics.Color)	4283079680 (0xFF4A9C00)
YUV	113.6980, -56.0531, -34.8151
Hunter-Lab	50.2323, -35.6257, 30.3292

# Details

The XYZ color **14.7125, 25.2328, 4.0950** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.4824, 4.1953, 31.7639**, and the grayscale version is **16.0670, 16.9038, 18.4082**.

A 20% lighter version of the original color is **33.7917, 51.8688, 14.1919**, and **4.9503, 9.9006, 1.6501** is the 20% darker color. If you saturate the color by 10%, you get **14.7125, 25.2336, 4.0951**, and if you desaturate by 10%, it is **15.4768, 25.6171, 4.6041**.

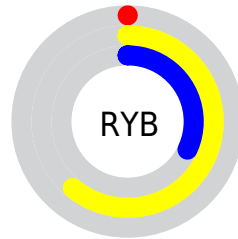
# Distribution



Red (29%)

Green (61%)

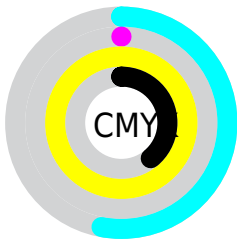
Blue (0%)



Red (0%)

Yellow (61%)

Blue (32%)

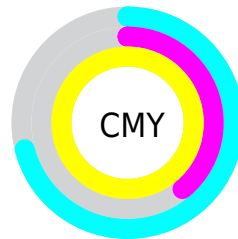


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (39%)



Cyan (71%)

Magenta (39%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7125, 25.2328, 4.0950 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 14.7125, 25.2328, 4.0950 by changing the saturation by 10% instead.



■ 14.7125, 25.2328,  
4.0950

■ 14.7125, 25.2328,  
4.0950

215.0425,  
278.9953, 149.2755

■ 8.7029, 16.2506,  
1.6776

■ 33.9238, 52.0346,  
14.2283

■ 4.6034, 9.7016,  
0.3453

■ 47.8562, 70.6231,  
22.7812

■ 2.0489, 5.2016,  
0.0000

■ 65.1603, 93.1823,  
34.2165

■ 0.6612, 2.3660,  
0.0000

■ 86.2013, 120.0968,  
48.9525


■ 0.0000, 0.8083,  
0.0000


■ 111.3447,  
151.7510, 67.4079


■ 0.0000, 0.0000,  
0.0000


■ 140.9558,


188.5292, 90.0011


 175.3999,  
230.8159, 117.1508

 14.7125, 25.2328,  
4.0950


 14.7125, 25.2328,  
4.0950


 14.7125, 25.2336,  
4.0951

 15.4768, 25.6171,  
4.6041

 16.3948, 26.0719,  
5.4795

 17.5007, 26.6121,  
6.8840

 18.8098, 27.2441,  
8.8846

 20.3356, 27.9735,  
11.5382

■ 22.0901, 28.8055,  
14.8952

■ 24.0842, 29.7447,  
19.0009

■ 26.3283, 30.7955,  
23.8970

■ 28.8317, 31.9619,  
29.6219

# Harmonies

## Analogous

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



21.4708, 25.2328, 1.8286



14.7125, 25.2328, 4.0950



11.2013, 25.2328, 13.0897

# Triad

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



14.7125, 25.2328, 4.0950



18.2170, 25.2328, 104.3693



45.4943, 25.2328, 20.6676

# Complementary

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



14.7125, 25.2328, 4.0950



9.4824, 4.1953, 31.7639

# 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.



43.9934, 25.2328, 49.7626



14.7125, 25.2328, 4.0950



26.6840, 25.2328, 111.4287

# Square

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



14.7125, 25.2328, 4.0950



12.8441, 25.2328, 71.5428



36.5046, 25.2328, 87.2362



40.2035, 25.2328, 6.6827



# Rectangle

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



14.7125, 25.2328, 4.0950



10.5043, 25.2328, 26.3268



36.5046, 25.2328, 87.2362



45.7898, 25.2328, 28.6546

# Sweetspot

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



14.7131, 25.2339, 4.0956



43.5110, 53.9140, 34.0204



16.6244, 12.8951, 1.6132



9.2542, 11.7129, 6.8167



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694



# Same Dimension

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



14.7131, 25.2339, 4.0956



26.4968, 45.7138, 7.4271



11.9035, 23.7838, 4.0384



6.8350, 7.5476, 7.0822



12.1576, 20.8042, 3.3748



0.2659, 0.3970, 0.0626



# Inverse Universe

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



9.4824, 4.1953, 31.7639



16.9917, 7.5005, 57.6789



19.4942, 9.3818, 31.0954



6.6008, 6.5982, 8.3324



7.8499, 3.4758, 26.1644



0.1891, 0.0873, 0.4701



# Previews

## White Background



This preview shows how the XYZ color 14.7125, 25.2328, 4.0950 looks on a white 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



# Black Background



This preview shows how the XYZ color 14.7125, 25.2328, 4.0950 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 × Fail

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

**XYZ 14.7125, 25.2328, 4.0950**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.7125, 25.2328, 4.0950.



This preview shows how white text looks on a background with the XYZ color 14.7125, 25.2328,



# 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

14.7125, 25.2328, 4.0950

### Protanopia

22.2721, 24.7613, 3.6056

### Deuteranopia

25.2566, 24.8402, 4.8300



## Tritanopia

21.0351, 25.1719, 35.6483

# Trichromacy



## Original Color

14.7125, 25.2328, 4.0950

## Protanomaly

18.4307, 24.3065, 3.7202

## Deuteranomaly

19.5122, 23.7500, 4.2176

## Tritanomaly

17.0722, 24.4897, 15.8838

# Monochromacy



## Original Color

14.7125, 25.2328, 4.0950

## Achromatopsia

15.9940, 16.8269, 18.3245

## Achromatomaly

14.1984, 18.8342, 9.1904

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.7125, 25.2328, 4.0950 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(74, 156, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 156, 0)  
}
```

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(74, 156, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 156, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 14.7125, 25.2328, 4.0950 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(74, 156, 0) }
```



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

```
.border{ border-color:rgb(74, 156, 0) }
```

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

Here you see how a box with a 4 pixel rgb(74, 156, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 156, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 156, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 156, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 14.7125, 25.2328, 4.0950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 156, 0) }
```

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

```
.background{ background-color: rgb(74, 156,  
0) }
```

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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