

# Converting Colors

XYZ(60.2521, 30.4043, 97.3007)

Have a look what the booklet for  
XYZ(60.2521, 30.4043, 97.3007)  
contains.

<b>XYZ(60.2670, 30.4340, 97.3057)</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(60.2670, 30.4340,  
97.3057)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2EFF
RGB	255, 46, 255
RGB Percent	100%, 18%, 100%
CMY	0.0000, 0.8196, 0.0000
CMYK	0.00, 0.82, 0.00, 0.00
HSL	300°, 100%, 59%
HSV	300°, 82%, 100%
XYZ	60.2670, 30.4340, 97.3057
YIQ	132.3170, 57.4750, 109.3070

# Conversions

## Conversions Part 2

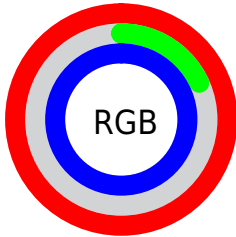
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 46, 255
Decimal	16723711
CIE <sub>Lab</sub>	62.03, 93.23, -58.12
CIE <sub>LCh</sub>	62, 109.860, 328.063
Y <sub>xy</sub>	30.4340, 0.3206, 0.1619
Android (android.graphics.Color)	4294913791 (0xFFFF2EFF)
YUV	132.3170, 60.4827, 107.5930
Hunter-Lab	55.1670, 98.4594, -65.9611

# Details

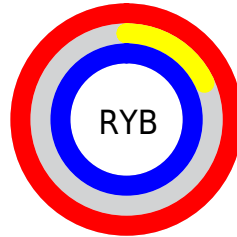
The XYZ color **60.2670, 30.4340, 97.3057** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.3807, 72.2985, 14.5710**, and the grayscale version is **21.8232, 22.9597, 25.0031**.

A 20% lighter version of the original color is **66.0065, 41.9129, 99.2188**, and **32.3262, 15.5006, 54.1114** is the 20% darker color. If you saturate the color by 10%, you get **59.5493, 28.9986, 97.0664**, and if you desaturate by 10%, it is **61.5760, 33.0521, 97.7420**.

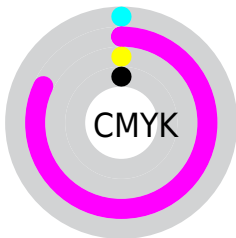
# Distribution



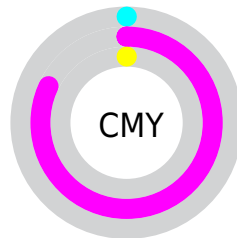
- Red (100%)
- Green (18%)
- Blue (100%)



- Red (100%)
- Yellow (18%)
- Blue (100%)



- Cyan (0%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (82%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.2670, 30.4340, 97.3057 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 60.2670, 30.4340, 97.3057 by changing the saturation by 10% instead.





 60.2670, 30.4340,  
97.3057


 60.2670, 30.4340,  
97.3057


415.4002,  
303.9222, 572.6922

 43.8842, 20.1682,  
73.4480


 104.3210, 60.3478,  
159.4691


 30.7770, 12.5174,  
53.8483

 132.7229, 80.7647,  
198.6119


 20.5801, 7.0971,  
38.0881


 165.8619,  
105.3341, 243.6868

 12.9281, 3.5229,  
25.7487

 204.1033,  
134.4404, 295.1124

 7.4557, 1.4104,  
16.4117

 247.8125,  
168.4679, 353.3072

 3.7975, 0.2244,  
9.6584

297.3548,

 1.5882, 0.0000,

207.8011, 418.6897

5.0704

353.0956,  
252.8244, 491.6785

■ 0.3847, 0.0000,  
2.2292

■ 0.0000, 0.0000,  
0.6911

■ 60.2670, 30.4340,  
97.3057

■ 60.2670, 30.4340,  
97.3057

■ 59.5493, 28.9986,  
97.0664

■ 61.5760, 33.0521,  
97.7420

■ 59.2900, 28.4800,  
96.9800

■ 63.5660, 37.0319,  
98.4053

■ 66.3128, 42.5256,  
99.3209

■ 69.8821, 49.6641,  
100.5107

74.3323, 58.5645,  
101.9941

79.7166, 69.3332,  
103.7889

86.0839, 82.0679,  
105.9113

93.4799, 96.8597,  
108.3766

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



44.4162, 30.4340, 168.8007



60.2670, 30.4340, 97.3057



67.5125, 30.4340, 35.9584

# Triad

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



60.2670, 30.4340, 97.3057



29.8955, 30.4340, 0.0000



10.4300, 30.4340, 87.8799

# Complementary

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



60.2670, 30.4340, 97.3057



37.3807, 72.2985, 14.5710

# 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.



8.8385, 30.4340, 30.4680



60.2670, 30.4340, 97.3057



17.5355, 30.4340, 0.6990

# Square

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



60.2670, 30.4340, 97.3057



46.6621, 30.4340, 0.9587



10.9230, 30.4340, 6.0728



16.3733, 30.4340, 160.8052



# Rectangle

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



60.2670, 30.4340, 97.3057



65.1121, 30.4340, 13.8016



10.9230, 30.4340, 6.0728



9.4798, 30.4340, 65.2202

# Sweetspot

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



60.2675, 30.4351, 97.3058



77.9754, 65.8507, 103.2085



20.1549, 9.7562, 95.4286



16.2837, 13.2823, 21.9554



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



60.2675, 30.4351, 97.3058



59.3454, 28.5907, 96.9985



47.7635, 25.4334, 31.4603



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Inverse Universe

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



60.2675, 30.4351, 97.3058



59.3454, 28.5907, 96.9985



42.4333, 74.3195, 41.1773



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 60.2670, 30.4340, 97.3057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

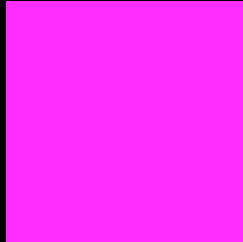
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.2670, 30.4340, 97.3057 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 60.2670, 30.4340, 97.3057**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.2670, 30.4340, 97.3057.



This preview shows how white text looks on a background with the XYZ color 60.2670, 30.4340,



# 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

60.2670, 30.4340, 97.3057

### Protanopia

33.8505, 30.8541, 98.7791

### Deuteranopia

31.7133, 30.7050, 87.4743



## Tritanopia

43.8916, 30.0810, 19.4125

# Trichromacy



## Original Color

60.2670, 30.4340, 97.3057



## Protanomaly

37.5306, 25.5400, 97.5594



## Deuteranomaly

35.7551, 25.1122, 90.1514



## Tritanomaly

47.6962, 28.6261, 38.6088

# Monochromacy



## Original Color

60.2670, 30.4340, 97.3057



## Achromatopsia

21.9318, 23.0740, 25.1276



## Achromatomaly

30.7210, 21.8288, 44.1892

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.2670, 30.4340, 97.3057 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(255, 46, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 255)  
}
```

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(255, 46, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 60.2670, 30.4340, 97.3057 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(255, 46, 255) }
```



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

```
.border{ border-color:rgb(255, 46, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 46, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.2670, 30.4340, 97.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 255) }
```

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

```
.background{ background-color: rgb(255, 46,  
255) }
```

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