

# Converting Colors

XYZ(60.2985, 30.4969, 97.3162)

Have a look what the booklet for  
XYZ(60.2985, 30.4969, 97.3162)  
contains.

<b>XYZ(60.3065, 30.5130, 97.3188)</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(60.3065, 30.5130,  
97.3188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2FFF
RGB	255, 47, 255
RGB Percent	100%, 18%, 100%
CMY	0.0000, 0.8156, 0.0000
CMYK	0.00, 0.82, 0.00, 0.00
HSL	300°, 100%, 59%
HSV	300°, 82%, 100%
XYZ	60.3065, 30.5130, 97.3188
YIQ	132.9040, 57.2000, 108.7840

# Conversions

## Conversions Part 2

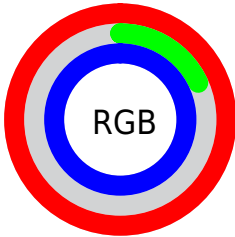
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 47, 255
Decimal	16723967
CIE Lab	62.09, 93.03, -58.01
CIE LCh	62, 109.636, 328.056
Yxy	30.5130, 0.3205, 0.1622
Android (android.graphics.Color)	4294914047 (0xFFFF2FFF)
YUV	132.9040, 60.1933, 107.0782
Hunter-Lab	55.2386, 98.2092, -65.7896

# Details

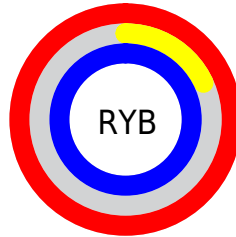
The XYZ color **60.3065, 30.5130, 97.3188** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.4462, 72.3300, 14.6782**, and the grayscale version is **22.0357, 23.1832, 25.2465**.

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 **59.5677, 29.0354, 97.0726**, and if you desaturate by 10%, it is **61.6407, 33.1813, 97.7636**.

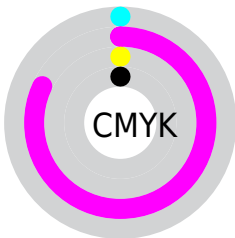
# Distribution



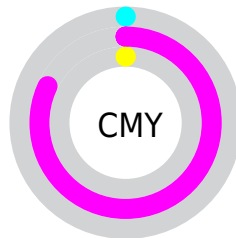
- Red (100%)
- Green (18%)
- Blue (100%)



- 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 60.3065, 30.5130, 97.3188 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 60.3065, 30.5130, 97.3188 by changing the saturation by 10% instead.




 60.3065, 30.5130,  
97.3188


 60.3065, 30.5130,  
97.3188

415.5433,  
304.2884, 572.7349

 43.9161, 20.2283,  
73.4589

 104.3780, 60.4725,  
159.4873


 30.8022, 12.5611,  
53.8572

 132.7898, 80.9161,  
198.6329


 20.5994, 7.1270,  
38.0951


 165.9395,  
105.5148, 243.7109

 12.9423, 3.5417,  
25.7541

 204.1924,  
134.6530, 295.1398

 7.4655, 1.4206,  
16.4157

 247.9138,  
168.7150, 353.3381

 3.8038, 0.2319,  
9.6612

297.4692,

 1.5917, 0.0000,

208.0854, 418.7244

5.0723

353.2239,  
253.1483, 491.7171

■ 0.3870, 0.0000,  
2.2302

■ 0.0000, 0.0000,  
0.6917

■ 60.3065, 30.5130,  
97.3188

■ 60.3065, 30.5130,  
97.3188

■ 59.5677, 29.0354,  
97.0726

■ 61.6407, 33.1813,  
97.7636

■ 59.2900, 28.4800,  
96.9800

■ 63.6589, 37.2178,  
98.4363

■ 66.4368, 42.7735,  
99.3623

■ 70.0395, 49.9790,  
100.5632

74.5253, 58.9507,  
102.0584

79.9473, 69.7945,  
103.8658

86.3541, 82.6082,  
106.0014

93.7912, 97.4824,  
108.4804

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.



44.4760, 30.5130, 168.6358



60.3065, 30.5130, 97.3188



67.5427, 30.5130, 36.0533

# Triad

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



60.3065, 30.5130, 97.3188



29.9737, 30.5130, 0.0000



10.4932, 30.5130, 87.8794

# Complementary

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



60.3065, 30.5130, 97.3188



37.4462, 72.3300, 14.6782

# 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.



8.8989, 30.5130, 30.5457



60.3065, 30.5130, 97.3188



17.6109, 30.5130, 0.7206

# Square

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



60.3065, 30.5130, 97.3188



46.7271, 30.5130, 0.9807



10.9889, 30.5130, 6.1264



16.4437, 30.5130, 160.6345



# Rectangle

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



60.3065, 30.5130, 97.3188



65.1483, 30.5130, 13.8833



10.9889, 30.5130, 6.1264



9.5412, 30.5130, 65.2604

# Sweetspot

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



60.3070, 30.5141, 97.3190



78.5373, 66.9746, 103.3958



20.2399, 9.8587, 95.4439



16.3911, 13.4971, 21.9912



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.



60.3070, 30.5141, 97.3190



59.3454, 28.5907, 96.9985



47.8435, 25.5286, 31.6868



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.



60.3070, 30.5141, 97.3190



59.3454, 28.5907, 96.9985



42.5193, 74.3592, 41.3927



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 60.3065, 30.5130, 97.3188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

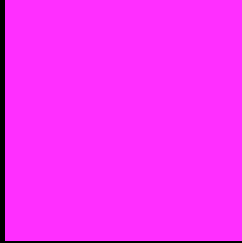
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.3065, 30.5130, 97.3188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

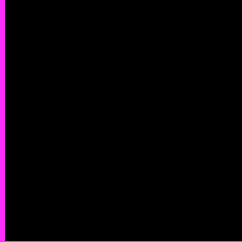
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.3065, 30.5130, 97.3188**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.3065, 30.5130, 97.3188.



This preview shows how white text looks on a background with the XYZ color 60.3065, 30.5130,

97.3188.

# 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

60.3065, 30.5130, 97.3188

### Protanopia

33.8505, 30.8541, 98.7791

### Deuteranopia

31.7133, 30.7050, 87.4743



## Tritanopia

43.8916, 30.0810, 19.4125

# Trichromacy



## Original Color

60.3065, 30.5130, 97.3188



## Protanomaly

37.6391, 25.7570, 97.5955



## Deuteranomaly

35.8661, 25.3341, 90.1884



## Tritanomaly

47.6962, 28.6261, 38.6088

# Monochromacy



## Original Color

60.3065, 30.5130, 97.3188



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

30.8186, 22.0242, 44.2217

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.3065, 30.5130, 97.3188 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, 47, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 47, 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, 47, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 47, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 60.3065, 30.5130, 97.3188 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, 47, 255) }
```



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

```
.border{ border-color:rgb(255, 47, 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, 47, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 47, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 47, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 47,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.3065, 30.5130, 97.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 47, 255) }
```

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

```
.background{ background-color: rgb(255, 47,  
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