

# Converting Colors

XYZ(60.2455, 30.3909, 97.2985)

Have a look what the booklet for  
XYZ(60.2455, 30.3909, 97.2985)  
contains.

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# Color

**XYZ(60.2284, 30.3568,  
97.2928)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2DFF
RGB	255, 45, 255
RGB Percent	100%, 18%, 100%
CMY	0.0000, 0.8235, 0.0000
CMYK	0.00, 0.82, 0.00, 0.00
HSL	300°, 100%, 59%
HSV	300°, 82%, 100%
XYZ	60.2284, 30.3568, 97.2928
YIQ	131.7300, 57.7500, 109.8300

# Conversions

## Conversions Part 2

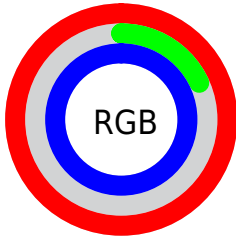
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 45, 255
Decimal	16723455
CIE Lab	61.96, 93.42, -58.22
CIE LCh	62, 110.080, 328.069
Yxy	30.3568, 0.3206, 0.1616
Android (android.graphics.Color)	4294913535 (0xFFFF2DFF)
YUV	131.7300, 60.7721, 108.1078
Hunter-Lab	55.0970, 98.7046, -66.1291

# Details

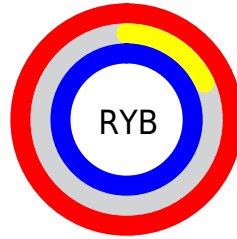
The XYZ color **60.2284, 30.3568, 97.2928** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.3167, 72.2678, 14.4663**, and the grayscale version is **21.6118, 22.7373, 24.7609**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **32.0704, 15.3687, 54.0995** is the 20% darker color. If you saturate the color by 10%, you get **59.5317, 28.9633, 97.0606**, and if you desaturate by 10%, it is **61.5125, 32.9249, 97.7208**.

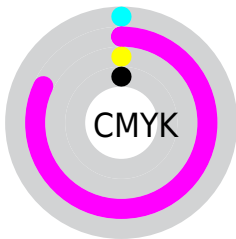
# Distribution



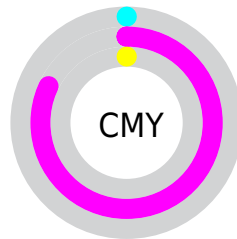
- Red (100%)
- Green (18%)
- Blue (100%)



- 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 60.2284, 30.3568, 97.2928 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 60.2284, 30.3568, 97.2928 by changing the saturation by 10% instead.





 60.2284, 30.3568,  
97.2928


 60.2284, 30.3568,  
97.2928


415.2604,  
303.5641, 572.6501

 43.8529, 20.1096,  
73.4373

 104.2654, 60.2260,  
159.4511


 30.7523, 12.4747,  
53.8397


 132.6576, 80.6167,  
198.5911


 20.5612, 7.0678,  
38.0812


 165.7861,  
105.1574, 243.6630

 12.9143, 3.5046,  
25.7434

 204.0162,  
134.2325, 295.0853

 7.4461, 1.4005,  
16.4077

 247.7134,  
168.2262, 353.2767

 3.7914, 0.2171,  
9.6557

297.2429,

 1.5848, 0.0000,

207.5232, 418.6556

5.0686

352.9701,  
252.5077, 491.6406

■ 0.3825, 0.0000,  
2.2281

■ 0.0000, 0.0000,  
0.6905

■ 60.2284, 30.3568,  
97.2928

■ 60.2284, 30.3568,  
97.2928

■ 59.5317, 28.9633,  
97.0606


■ 61.5125, 32.9249,  
97.7208

■ 59.2900, 28.4800,  
96.9800


■ 63.4742, 36.8483,  
98.3747


■ 66.1900, 42.2801,  
99.2800

■ 69.7259, 49.3519,  
100.4586

 74.1406, 58.1812,  
101.9302

 79.4873, 68.8747,  
103.7124

 85.8153, 81.5306,  
105.8218

 93.1701, 96.2402,  
108.2734

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.



44.3577, 30.3568, 168.9622



60.2284, 30.3568, 97.2928



67.4831, 30.3568, 35.8656

# Triad

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



60.2284, 30.3568, 97.2928



29.8191, 30.3568, 0.0000



10.3684, 30.3568, 87.8807

# Complementary

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



60.2284, 30.3568, 97.2928



37.3167, 72.2678, 14.4663

# 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.



8.7796, 30.3568, 30.3922



60.2284, 30.3568, 97.2928



17.4619, 30.3568, 0.6779

# Square

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



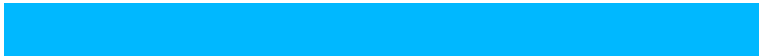
60.2284, 30.3568, 97.2928



46.5985, 30.3568, 0.9372



10.8588, 30.3568, 6.0207



16.3045, 30.3568, 160.9727



# Rectangle

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



60.2284, 30.3568, 97.2928



65.0766, 30.3568, 13.7218



10.8588, 30.3568, 6.0207



9.4199, 30.3568, 65.1810

# Sweetspot

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



60.2289, 30.3579, 97.2930



77.9754, 65.8507, 103.2085



20.0717, 9.6561, 95.4137



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.



60.2289, 30.3579, 97.2930



59.3177, 28.5354, 96.9892



47.6845, 25.3401, 31.2350



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.



60.2289, 30.3579, 97.2930



59.3177, 28.5354, 96.9892



42.3484, 74.2804, 40.9627



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 60.2284, 30.3568, 97.2928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

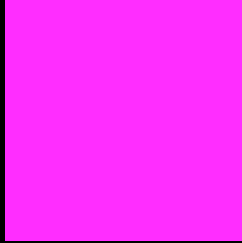
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.2284, 30.3568, 97.2928 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 60.2284, 30.3568, 97.2928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.2284, 30.3568, 97.2928.



This preview shows how white text looks on a background with the XYZ color 60.2284, 30.3568,

97.2928.

# 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

60.2284, 30.3568, 97.2928

### Protanopia

33.7392, 30.7968, 98.7739

### Deuteranopia

31.6074, 30.6504, 87.4693



## Tritanopia

43.8916, 30.0810, 19.4125

# Trichromacy



## Original Color

60.2284, 30.3568, 97.2928



## Protanomaly

37.3362, 25.4398, 97.5503



## Deuteranomaly

35.7551, 25.1122, 90.1514

## Tritanomaly

47.6180, 28.4697, 38.5828

# Monochromacy



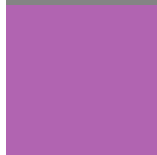
## Original Color

60.2284, 30.3568, 97.2928



## Achromatopsia

21.9318, 23.0740, 25.1276



## Achromatomaly

30.6244, 21.6358, 44.1570

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.2284, 30.3568, 97.2928 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, 45, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 45, 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, 45, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 45, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 60.2284, 30.3568, 97.2928 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, 45, 255) }
```



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

```
.border{ border-color:rgb(255, 45, 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, 45, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 45, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 45, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 45,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.2284, 30.3568, 97.2928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 45, 255) }
```

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

```
.background{ background-color: rgb(255, 45,  
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](#).

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