

# Converting Colors

XYZ(51.3033, 29.3440, 63.2306)

Have a look what the booklet for  
XYZ(51.3033, 29.3440, 63.2306)  
contains.

<b>XYZ(51.3394, 29.3955, 63.2896)</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(51.3394, 29.3955,  
63.2896)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F350D1
RGB	243, 80, 209
RGB Percent	95%, 31%, 82%
CMY	0.0471, 0.6862, 0.1804
CMYK	0.00, 0.67, 0.14, 0.05
HSL	313°, 87%, 63%
HSV	313°, 67%, 95%
XYZ	51.3394, 29.3955, 63.2896
YIQ	143.4430, 55.7390, 74.6750

# Conversions

## Conversions Part 2

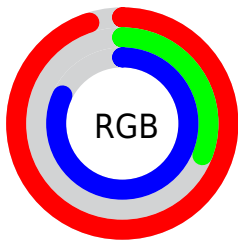
Format	Color
R <sub>Y</sub> B	243, 80, 209
Decimal	15945937
CIE Lab	61.13, 74.75, -33.93
CIE LCh	61, 82.088, 335.585
Yxy	29.3955, 0.3565, 0.2041
Android (android.graphics.Color)	4294136017 (0xFFFF350D1)
YUV	143.4430, 32.3196, 87.3115
Hunter-Lab	54.2176, 74.1433, -31.2584

# Details

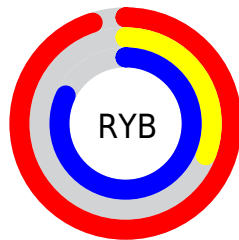
The XYZ color **51.3394, 29.3955, 63.2896** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **38.3976, 67.0226, 26.8353**, and the grayscale version is **26.1463, 27.5079, 29.9561**.

A 20% lighter version of the original color is **68.6681, 47.2362, 100.1060**, and **25.3612, 12.4004, 31.6287** is the 20% darker color. If you saturate the color by 10%, you get **49.2534, 26.2114, 59.5470**, and if you desaturate by 10%, it is **54.0904, 33.8764, 67.3528**.

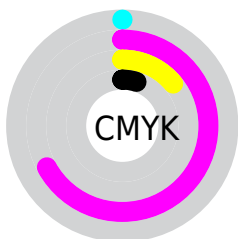
# Distribution



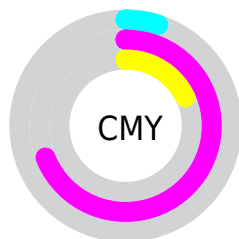
- Red (95%)
- Green (31%)
- Blue (82%)



- Red (95%)
- Yellow (31%)
- Blue (82%)



- Cyan (0%)
- Magenta (67%)
- Yellow (14%)
- Black (5%)




- Cyan (5%)
- Magenta (69%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3394, 29.3955, 63.2896 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 51.3394, 29.3955, 63.2896 by changing the saturation by 10% instead.





 51.3394, 29.3955,  
63.2896


 51.3394, 29.3955,  
63.2896


382.2470,  
299.0765, 454.7566

 36.7009, 19.3802,  
45.6330


 91.3363, 58.7049,  
111.1768


 25.1486, 11.9453,  
31.6098


 117.4254, 78.7677,  
142.2445

 16.3171, 6.7065,  
20.8013


 148.0621,  
102.9486, 178.6197

 9.8411, 3.2792,  
12.7890

 183.6118,  
131.6318, 220.7209

 5.3552, 1.2792,  
7.1544

224.4397,  
165.2019, 268.9667

 2.4940, 0.1250,  
3.4789

270.9113,

 0.8922, 0.0000,

204.0430, 323.7755

1.3441

323.3920,  
248.5398, 385.5660

■ 0.0000, 0.0000,  
0.0975

■ 0.0000, 0.0000,  
0.0000

■ 51.3394, 29.3955,  
63.2896

■ 51.3394, 29.3955,  
63.2896

■ 49.2534, 26.2114,  
59.5470

■ 54.0904, 33.8764,  
67.3528

■ 47.7560, 24.1734,  
56.0981

■ 57.5657, 39.7743,  
71.7567

■ 46.7540, 23.0949,  
52.9109

■ 61.8215, 47.2007,  
76.5210

■ 46.5113, 22.8744,  
52.0135

■ 66.9074, 56.2545,  
81.6632

72.8690, 67.0264,  
87.1992

79.7483, 79.6005,  
93.1441

87.5847, 94.0552,  
99.5117

89.9076, 97.4489,  
104.1460

90.7115, 97.7705,  
108.3793

# Harmonies

## Analogous

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



41.7959, 29.3955, 108.4580



51.3394, 29.3955, 63.2896



54.0137, 29.3955, 26.5781

# Triad

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



51.3394, 29.3955, 63.2896



25.9735, 29.3955, 1.8357



14.2619, 29.3955, 80.3699

# Complementary

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



51.3394, 29.3955, 63.2896



38.3976, 67.0226, 26.8353

# 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.



11.9889, 29.3955, 38.1283



51.3394, 29.3955, 63.2896



17.5439, 29.3955, 3.9527

# Square

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



51.3394, 29.3955, 63.2896



37.3970, 29.3955, 2.6879



13.0138, 29.3955, 13.2263



20.2283, 29.3955, 121.9985



# Rectangle

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



51.3394, 29.3955, 63.2896



51.0721, 29.3955, 12.6274



13.0138, 29.3955, 13.2263



13.1213, 29.3955, 65.0325

# Sweetspot

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



51.3404, 29.3969, 63.2902



79.2169, 70.9994, 95.4050



25.8067, 15.6945, 86.4637



16.5509, 14.4648, 20.0464



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.



51.3404, 29.3969, 63.2902



54.3638, 28.4036, 65.1995



43.7880, 26.3760, 23.5195



17.0569, 16.7056, 20.0461



25.5777, 12.5745, 28.8142



2.2843, 1.1197, 2.7236



# Inverse Universe

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



51.3404, 29.3969, 63.2902



54.3638, 28.4036, 65.1995



45.1090, 69.7071, 62.1771



17.0569, 16.7056, 20.0461



25.5777, 12.5745, 28.8142

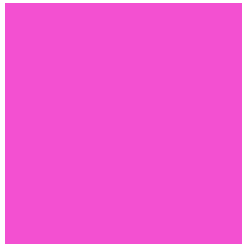


2.2843, 1.1197, 2.7236



# Previews

## White Background



This preview shows how the XYZ color 51.3394, 29.3955, 63.2896 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

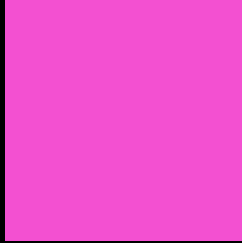
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.3394, 29.3955, 63.2896 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

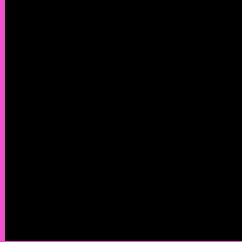
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 51.3394, 29.3955, 63.2896**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.3394, 29.3955, 63.2896.



This preview shows how white text looks on a background with the XYZ color 51.3394, 29.3955,



# 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

51.3394, 29.3955, 63.2896

### Protanopia

33.1688, 29.8192, 98.6152

### Deuteranopia

30.2606, 29.6678, 58.1644



## Tritanopia

42.2839, 29.2456, 19.6360

# Trichromacy



## Original Color

51.3394, 29.3955, 63.2896



## Protanomaly

35.0325, 26.4271, 84.1434



## Deuteranomaly

34.9726, 27.1151, 59.8904



## Tritanomaly

44.6246, 28.7238, 31.6261

# Monochromacy



## Original Color

51.3394, 29.3955, 63.2896



## Achromatopsia

26.1081, 27.4677, 29.9124



## Achromatomaly

32.2819, 25.8067, 39.8390

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3394, 29.3955, 63.2896 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(243, 80, 209)` looks like.

```
.text, #text, p{  
    color:rgb(243, 80, 209)  
}
```

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(243, 80, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 80, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3394, 29.3955, 63.2896 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(243, 80, 209) }
```



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

```
.border{ border-color:rgb(243, 80, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 80, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 80, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 80, 209);  
box-shadow:4px 4px 4px 4px rgb(243, 80,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3394, 29.3955, 63.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 80, 209) }
```

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

```
.background{ background-color: rgb(243, 80,  
209) }
```

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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