

# Converting Colors

XYZ(53.8818, 29.2676, 81.8777)

Have a look what the booklet for  
XYZ(53.8818, 29.2676, 81.8777)  
contains.

<b>XYZ(53.9484, 29.3137, 82.1716)</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(53.9484, 29.3137,  
82.1716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F246EC
RGB	242, 70, 236
RGB Percent	95%, 27%, 93%
CMY	0.0510, 0.7255, 0.0745
CMYK	0.00, 0.71, 0.02, 0.05
HSL	302°, 87%, 61%
HSV	302°, 71%, 95%
XYZ	53.9484, 29.3137, 82.1716
YIQ	140.3520, 49.2260, 88.0900

# Conversions

## Conversions Part 2

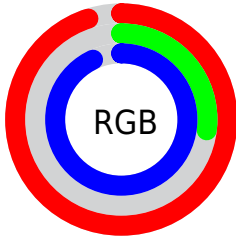
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 70, 236
Decimal	15877868
CIE <sub>Lab</sub>	61.06, 81.84, -49.23
CIE <sub>LCh</sub>	61, 95.506, 328.971
Yxy	29.3137, 0.3261, 0.1772
Android (android.graphics.Color)	4294067948 (0xFFFF246EC)
YUV	140.3520, 47.1545, 89.1453
Hunter-Lab	54.1421, 83.1126, -52.0850

# Details

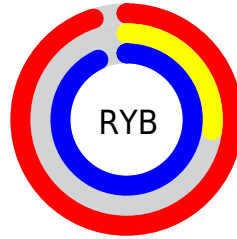
The XYZ color **53.9484, 29.3137, 82.1716** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **35.5838, 65.3294, 17.5736**, and the grayscale version is **24.8748, 26.1702, 28.4994**.

A 20% lighter version of the original color is **67.6775, 45.2551, 99.7758**, and **27.4281, 13.1998, 43.7500** is the 20% darker color. If you saturate the color by 10%, you get **52.6059, 26.8237, 81.1205**, and if you desaturate by 10%, it is **55.9031, 33.0255, 83.4301**.

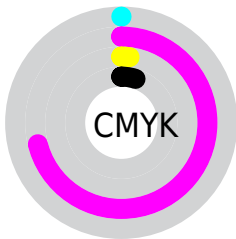
# Distribution



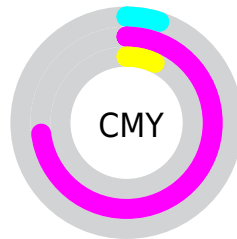
- Red (95%)
- Green (27%)
- Blue (93%)



- Red (95%)
- Yellow (27%)
- Blue (93%)



- Cyan (0%)
- Magenta (71%)
- Yellow (2%)
- Black (5%)




- Cyan (5%)
- Magenta (73%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.9484, 29.3137, 82.1716 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 53.9484, 29.3137, 82.1716 by changing the saturation by 10% instead.





 53.9484, 29.3137,  
82.1716


 53.9484, 29.3137,  
82.1716


392.1148,  
298.6922, 522.1200


 38.7909, 19.3183,  
60.9704


 95.1558, 58.5751,  
138.2535


 26.7771, 11.9005,  
43.7708


 121.9365, 78.6099,  
173.9711

 17.5416, 6.6759,  
30.1545


 153.3222,  
102.7599, 215.3647

 10.7191, 3.2603,  
19.7029

 189.6784,  
131.4095, 262.8528

 5.9442, 1.2691,  
11.9973

231.3704,  
164.9432, 316.8538

 2.8515, 0.1171,  
6.6193

278.7635,

 1.0757, 0.0000,

203.7453, 377.7863

3.1504

332.2232,  
248.2001, 446.0688

■ 0.0047, 0.0000,  
1.1719

■ 0.0000, 0.0000,  
0.0000

■ 53.9484, 29.3137,  
82.1716

■ 53.9484, 29.3137,  
82.1716

■ 52.6059, 26.8237,  
81.1205

■ 55.9031, 33.0255,  
83.4301


■ 51.7940, 25.3949,  
80.2488


■ 58.5321, 38.0857,  
84.9160


■ 51.4062, 24.7926,  
79.5854


■ 61.8934, 44.6097,  
86.6489


■ 66.0381, 52.6995,  
88.6458

 71.0125, 62.4477,  
90.9221

 76.8594, 73.9400,  
93.4922

 83.6186, 87.2562,  
96.3692

 88.5191, 96.8538,  
98.6295

 88.6468, 96.9048,  
99.3018

# Harmonies

## Analogous

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



41.1998, 29.3137, 137.9496



53.9484, 29.3137, 82.1716



59.4632, 29.3137, 33.1703

# Triad

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



53.9484, 29.3137, 82.1716



28.2958, 29.3137, 0.6838



11.6808, 29.3137, 78.2135

# Complementary

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



53.9484, 29.3137, 82.1716



35.5838, 65.3294, 17.5736

# 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.



10.0779, 29.3137, 30.6969



53.9484, 29.3137, 82.1716



17.7665, 29.3137, 1.6311

# Square

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



53.9484, 29.3137, 82.1716



42.1781, 29.3137, 1.8074



11.9244, 29.3137, 7.9598



17.2182, 29.3137, 134.6943



# Rectangle

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



53.9484, 29.3137, 82.1716



57.3317, 29.3137, 14.3630



11.9244, 29.3137, 7.9598



10.7531, 29.3137, 59.9305

# Sweetspot

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



53.9495, 29.3151, 82.1722



79.9823, 70.3437, 102.4007



21.1780, 12.3183, 85.2669



16.7668, 14.3644, 21.7590



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.



53.9495, 29.3151, 82.1722



58.7973, 29.4047, 90.9269



44.3361, 25.4697, 31.5485



16.4290, 16.0213, 19.8156



27.6267, 13.3231, 42.8121



2.3057, 1.1113, 3.6006



# Inverse Universe

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



53.9495, 29.3151, 82.1722



58.7973, 29.4047, 90.9269



40.7773, 67.4068, 44.9221



16.4290, 16.0213, 19.8156



27.6267, 13.3231, 42.8121

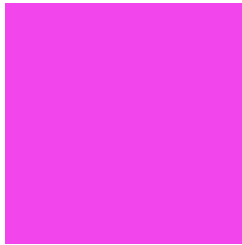


2.3057, 1.1113, 3.6006



# Previews

## White Background



This preview shows how the XYZ color 53.9484, 29.3137, 82.1716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

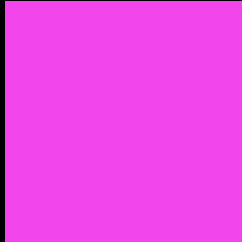
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.9484, 29.3137, 82.1716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

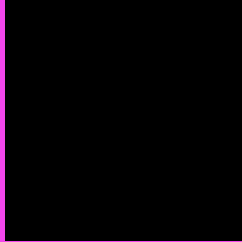
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 53.9484, 29.3137, 82.1716**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.9484, 29.3137, 82.1716.



This preview shows how white text looks on a background with the XYZ color 53.9484, 29.3137,



# 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

53.9484, 29.3137, 82.1716

### Protanopia

32.9530, 29.7079, 98.6051

### Deuteranopia

30.3187, 29.5643, 74.6295



## Tritanopia

41.1590, 29.1179, 20.5905

# Trichromacy



## Original Color

53.9484, 29.3137, 82.1716



## Protanomaly

35.8822, 25.9839, 91.9311



## Deuteranomaly

34.7010, 26.0642, 76.6007



## Tritanomaly

44.4569, 28.2501, 36.8279

# Monochromacy



## Original Color

53.9484, 29.3137, 82.1716



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

32.0001, 24.7037, 43.6391

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.9484, 29.3137, 82.1716 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(242, 70, 236)` looks like.

```
.text, #text, p{  
    color:rgb(242, 70, 236)  
}
```

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(242, 70, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 70, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 53.9484, 29.3137, 82.1716 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(242, 70, 236) }
```



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

```
.border{ border-color:rgb(242, 70, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 70, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 70, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 70, 236);  
box-shadow:4px 4px 4px 4px rgb(242, 70,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.9484, 29.3137, 82.1716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 70, 236) }
```

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

```
.background{ background-color: rgb(242, 70,  
236) }
```

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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