

# Converting Colors

XYZ(58.8895, 30.2422, 90.7292)

Have a look what the booklet for  
XYZ(58.8895, 30.2422, 90.7292)  
contains.

<b>XYZ(58.8895, 30.2422, 90.7292)</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(58.8895, 30.2422,  
90.7292)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE34F7
RGB	254, 52, 247
RGB Percent	100%, 20%, 97%
CMY	0.0039, 0.7960, 0.0314
CMYK	0.00, 0.80, 0.03, 0.00
HSL	302°, 99%, 60%
HSV	302°, 80%, 100%
XYZ	58.8895, 30.2422, 90.7292
YIQ	134.6280, 57.7970, 103.4690

# Conversions

## Conversions Part 2

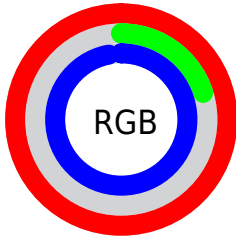
<b>Format</b>	<b>Color</b>
<b>RYB</b>	254, 52, 247
Decimal	16659703
CIELab	61.86, 90.64, -53.96
CIElCh	62, 105.485, 329.235
Yxy	30.2422, 0.3274, 0.1681
Android (android.graphics.Color)	4294849783 (0xFFFE34F7)
YUV	134.6280, 55.3994, 104.6892
Hunter-Lab	54.9929, 94.9103, -59.3237

# Details

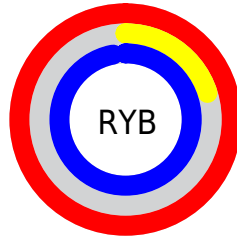
The XYZ color **58.8895, 30.2422, 90.7292** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.6488, 71.9308, 16.0392**, and the grayscale version is **22.6809, 23.8621, 25.9859**.

A 20% lighter version of the original color is **66.3730, 42.6459, 99.3410**, and **31.2866, 15.0552, 49.9721** is the 20% darker color. If you saturate the color by 10%, you get **57.9097, 28.4985, 89.7341**, and if you desaturate by 10%, it is **60.4812, 33.2067, 91.9319**.

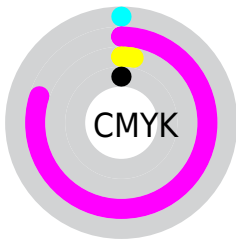
# Distribution



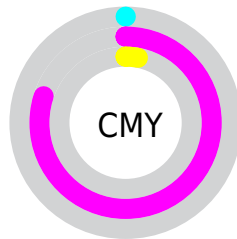
- Red (100%)
- Green (20%)
- Blue (97%)



- Red (100%)
- Yellow (20%)
- Blue (97%)



- Cyan (0%)
- Magenta (80%)
- Yellow (3%)
- Black (0%)




- Cyan (0%)
- Magenta (80%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8895, 30.2422, 90.7292 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 58.8895, 30.2422, 90.7292 by changing the saturation by 10% instead.




 58.8895, 30.2422,  
90.7292


 58.8895, 30.2422,  
90.7292


410.3929,  
303.0318, 551.0313


 42.7702, 20.0225,  
68.0085

 102.3326, 60.0450,  
150.2952

 29.8986, 12.4114,  
49.4379


 130.3871, 80.3969,  
187.9776


 19.9093, 7.0245,  
34.5989


 163.1507,  
104.8949, 231.4843

 12.4370, 3.4774,  
23.0730

 200.9888,  
133.9236, 281.2339

 7.1164, 1.3858,  
14.4416

 244.2667,  
167.8672, 337.6448

 3.5820, 0.2062,  
8.2862

293.3498,

 1.4685, 0.0000,

207.1102, 401.1356

4.1882

348.6034,  
252.0369, 472.1249

■ 0.3042, 0.0000,  
1.7292

■ 0.0000, 0.0000,  
0.3806

■ 58.8895, 30.2422,  
90.7292

■ 58.8895, 30.2422,  
90.7292

■ 57.9097, 28.4985,  
89.7341

■ 60.4812, 33.2067,  
91.9319

■ 57.4048, 27.7046,  
88.9002

■ 62.7668, 37.5590,  
93.3688

■ 57.3852, 27.6757,  
88.8620

■ 65.8197, 43.4447,  
95.0647

■ 69.7027, 50.9897,  
97.0404

74.4724, 60.3070,  
99.3149

80.1803, 71.4998,  
101.9054

86.8741, 84.6632,  
104.8276

94.5299, 99.7496,  
108.0737

94.6713, 99.8062,  
108.8182

# Harmonies

## Analogous

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



44.1175, 30.2422, 157.7210



58.8895, 30.2422, 90.7292



65.2545, 30.2422, 33.9753

# Triad

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



58.8895, 30.2422, 90.7292



29.1075, 30.2422, 0.0828



10.9871, 30.2422, 87.2487

# Complementary

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



58.8895, 30.2422, 90.7292



37.6488, 71.9308, 16.0392

# 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.



9.2683, 30.2422, 31.9036



58.8895, 30.2422, 90.7292



17.4351, 30.2422, 1.0227

# Square

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



58.8895, 30.2422, 90.7292



44.9562, 30.2422, 1.1285



11.1787, 30.2422, 7.0444



16.9901, 30.2422, 154.7961



# Rectangle

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



58.8895, 30.2422, 90.7292



62.6797, 30.2422, 13.4048



11.1787, 30.2422, 7.0444



9.9970, 30.2422, 65.6922

# Sweetspot

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



58.8907, 30.2436, 90.7298



78.1976, 66.8387, 101.6070



20.9067, 10.5350, 94.6986



16.3077, 13.4637, 21.5519



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.



58.8907, 30.2436, 90.7298



58.1081, 28.2325, 90.0621



47.3118, 25.6121, 29.7560



18.7639, 18.2889, 22.6397



30.2658, 14.5956, 46.9117



2.9551, 1.4244, 4.6108



# Inverse Universe

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



58.8907, 30.2436, 90.7298



58.1081, 28.2325, 90.0621



43.1815, 74.1439, 45.1738



18.7639, 18.2889, 22.6397



30.2658, 14.5956, 46.9117



2.9551, 1.4244, 4.6108



# Previews

## White Background



This preview shows how the XYZ color 58.8895, 30.2422, 90.7292 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

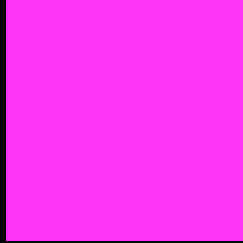
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.8895, 30.2422, 90.7292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

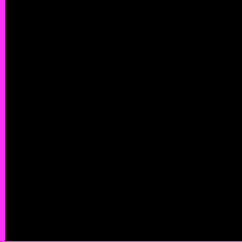
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.8895, 30.2422, 90.7292**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8895, 30.2422, 90.7292.



This preview shows how white text looks on a background with the XYZ color 58.8895, 30.2422,



# 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

58.8895, 30.2422, 90.7292

### Protanopia

33.5844, 30.4871, 98.7222

### Deuteranopia

31.2811, 30.3813, 81.3063



## Tritanopia

44.0699, 30.0256, 19.0956

# Trichromacy



## Original Color

58.8895, 30.2422, 90.7292



## Protanomaly

37.0752, 25.6845, 95.0990



## Deuteranomaly

35.7480, 25.5786, 83.9420



## Tritanomaly

47.5056, 28.6767, 37.2138

# Monochromacy



## Original Color

58.8895, 30.2422, 90.7292



## Achromatopsia

23.0288, 24.2281, 26.3844



## Achromatomaly

31.2481, 22.7027, 43.8094

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8895, 30.2422, 90.7292 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(254, 52, 247)` looks like.

```
.text, #text, p{  
    color:rgb(254, 52, 247)  
}
```

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(254, 52, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 52, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8895, 30.2422, 90.7292 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(254, 52, 247) }
```



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

```
.border{ border-color:rgb(254, 52, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 52, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 52, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 52, 247);  
box-shadow:4px 4px 4px 4px rgb(254, 52,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8895, 30.2422, 90.7292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 52, 247) }
```

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

```
.background{ background-color: rgb(254, 52,  
247) }
```

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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