

Converting Colors

XYZ(58.3206, 30.7794, 83.5914)

Have a look what the booklet for
XYZ(58.3206, 30.7794, 83.5914)
contains.

XYZ(58.3414, 30.7705, 83.7533)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.3414, 30.7705,
83.7533)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3DEE
RGB	255, 61, 238
RGB Percent	100%, 24%, 93%
CMY	0.0000, 0.7607, 0.0667
CMYK	0.00, 0.76, 0.07, 0.00
HSL	305°, 100%, 62%
HSV	305°, 76%, 100%
XYZ	58.3414, 30.7705, 83.7533
YIQ	139.1840, 58.8070, 96.1750

Conversions

Conversions Part 2

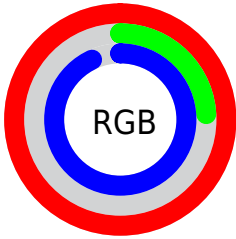
Format	Color
R _Y B	255, 61, 238
Decimal	16727534
CIE Lab	62.31, 87.37, -48.23
CIE LCh	62, 99.797, 331.102
Yxy	30.7705, 0.3375, 0.1780
Android (android.graphics.Color)	4294917614 (0xFFFF3DEE)
YUV	139.1840, 48.7163, 101.5706
Hunter-Lab	55.4712, 90.6616, -50.6894

Details

The XYZ color **58.3414, 30.7705, 83.7533** 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 **39.0606, 73.0626, 19.2534**, and the grayscale version is **24.4159, 25.6874, 27.9736**.

A 20% lighter version of the original color is **67.0092, 43.9183, 99.5531**, and **30.5886, 14.8055, 44.9616** is the 20% darker color. If you saturate the color by 10%, you get **56.9625, 28.5349, 81.6842**, and if you desaturate by 10%, it is **60.3718, 34.3027, 86.0604**.

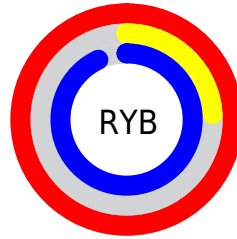
Distribution



Red (100%)

Green (24%)

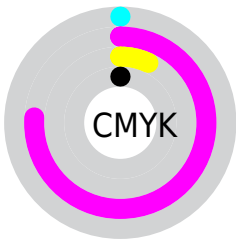
Blue (93%)



Red (100%)

Yellow (24%)

Blue (93%)

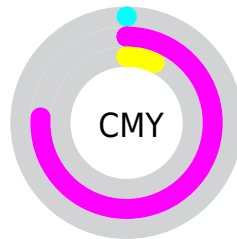


Cyan (0%)

Magenta (76%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (76%)


Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3414, 30.7705, 83.7533 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 58.3414, 30.7705, 83.7533 by changing the saturation by 10% instead.


 58.3414, 30.7705,
83.7533

 58.3414, 30.7705,
83.7533

408.3903,
305.4796, 527.5303


 42.3275, 20.4242,
62.2676

 101.5400, 60.8786,
140.4887

 29.5500, 12.7037,
44.8117


 129.4553, 81.4091,
176.5754


 19.6437, 7.2249,
30.9673


 162.0686,
106.1031, 218.3662

 12.2431, 3.6031,
20.3157

 199.7450,
135.3450, 266.2796

 6.9828, 1.4541,
12.4384

 242.8501,
169.5192, 320.7342

 3.4976, 0.2561,
6.9168

291.7491,

 1.4220, 0.0000,

209.0101, 382.1485

3.3325

346.8073,
254.2021, 450.9410

■ 0.2718, 0.0000,
1.2668

■ 0.0000, 0.0000,
0.0344

■ 58.3414, 30.7705,
83.7533

■ 58.3414, 30.7705,
83.7533

■ 56.9625, 28.5349,
81.6842

■ 60.3718, 34.3027,
86.0604

■ 56.1327, 27.3909,
79.8178

■ 63.1330, 39.2897,
88.6309

■ 55.8986, 27.1234,
79.1211

■ 66.6947, 45.8713,
91.4885

■ 71.1181, 54.1698,
94.6537

76.4584, 64.2954,
98.1449

82.7662, 76.3493,
101.9790

90.0884, 90.4253,
106.1718

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.



44.7966, 30.7705, 145.8626



58.3414, 30.7705, 83.7533



63.6028, 30.7705, 32.0950

Triad

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



58.3414, 30.7705, 83.7533



28.7503, 30.7705, 0.5354



12.1838, 30.7705, 88.3958

Complementary

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



58.3414, 30.7705, 83.7533



39.0606, 73.0626, 19.2534

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.



10.2223, 30.7705, 34.9534



58.3414, 30.7705, 83.7533



17.7891, 30.7705, 1.6580

Square

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



58.3414, 30.7705, 83.7533



43.6580, 30.7705, 1.4727



11.9075, 30.7705, 8.8997



18.4168, 30.7705, 149.7062

Rectangle

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



58.3414, 30.7705, 83.7533



60.7352, 30.7705, 13.2433



11.9075, 30.7705, 8.8997



11.1074, 30.7705, 67.9993

Sweetspot

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



58.3420, 30.7717, 83.7539



78.2924, 67.7913, 99.2864



22.7941, 12.1437, 95.7503



16.2985, 13.6349, 20.9650



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.



58.3420, 30.7717, 83.7539



56.4925, 27.8496, 80.7419



47.7797, 26.5468, 28.1338



18.7200, 18.2713, 22.4085



29.2367, 14.1840, 41.4924



2.8660, 1.3888, 4.1418

Inverse Universe

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



58.3420, 30.7717, 83.7539



56.4925, 27.8496, 80.7419



45.3418, 75.5751, 52.3296



18.7200, 18.2713, 22.4085



29.2367, 14.1840, 41.4924



2.8660, 1.3888, 4.1418

Previews

White Background



This preview shows how the XYZ color 58.3414, 30.7705, 83.7533 looks on a white background.

Color Contrast Check

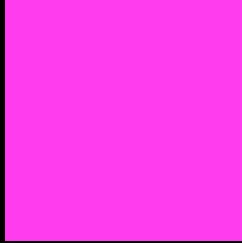
Large Text (above 18pt) WCAG AA × Fail

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 58.3414, 30.7705, 83.7533 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 58.3414, 30.7705, 83.7533

Background



This preview shows how black text looks on a background with the XYZ color 58.3414, 30.7705, 83.7533.



This preview shows how white text looks on a background with the XYZ color 58.3414, 30.7705,

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

58.3414, 30.7705, 83.7533

Protanopia

34.2334, 31.2834, 98.8417

Deuteranopia

31.8331, 31.0308, 75.5459



Tritanopia

44.8092, 30.4002, 19.4257

Trichromacy



Original Color

58.3414, 30.7705, 83.7533



Protanomaly

37.4448, 26.5994, 92.7832



Deuteranomaly

36.6977, 26.8855, 78.1182



Tritanomaly

48.2719, 29.5897, 35.9681

Monochromacy



Original Color

58.3414, 30.7705, 83.7533



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

32.4784, 24.2878, 43.5337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3414, 30.7705, 83.7533 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, 61, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 61, 238)  
}
```

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, 61, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 61, 238) }
```

Border

The CSS property to change the border of an element to XYZ 58.3414, 30.7705, 83.7533 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, 61, 238) }
```


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

```
.border{ border-color:rgb(255, 61, 238) }
```

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

Here you see how a box with a 4 pixel rgb(255, 61, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 61, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 61, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 61,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3414, 30.7705, 83.7533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 61, 238) }
```

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

```
.background{ background-color: rgb(255, 61,  
238) }
```

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