

Converting Colors

XYZ(63.7129, 40.4843, 88.7172)

Have a look what the booklet for
XYZ(63.7129, 40.4843, 88.7172)
contains.

XYZ(63.6283, 40.3934, 88.4475)	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(63.6283, 40.3934,
88.4475)**

Conversions

Conversions Part 1

Format	Color
Hex	FF75F2
RGB	255, 117, 242
RGB Percent	100%, 46%, 95%
CMY	0.0000, 0.5411, 0.0510
CMYK	0.00, 0.54, 0.05, 0.00
HSL	306°, 100%, 73%
HSV	306°, 54%, 100%
XYZ	63.6283, 40.3934, 88.4475
YIQ	172.5120, 42.1230, 68.1310

Conversions

Conversions Part 2

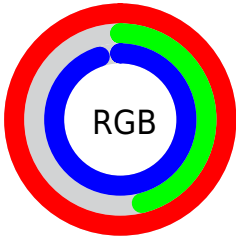
Format	Color
R _Y B	255, 117, 242
Decimal	16741874
CIE Lab	69.75, 67.79, -38.77
CIE LCh	70, 78.091, 330.234
Yxy	40.3934, 0.3306, 0.2099
Android (android.graphics.Color)	4294931954 (0xFFFF75F2)
YUV	172.5120, 34.2576, 72.3420
Hunter-Lab	63.5558, 67.4810, -38.0219

Details

The XYZ color **63.6283, 40.3934, 88.4475** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **47.1267, 76.9142, 33.4834**, and the grayscale version is **39.2902, 41.3363, 45.0152**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **32.7757, 18.1310, 47.6711** is the 20% darker color. If you saturate the color by 10%, you get **60.6931, 35.0965, 85.7011**, and if you desaturate by 10%, it is **67.3790, 47.3133, 91.4901**.

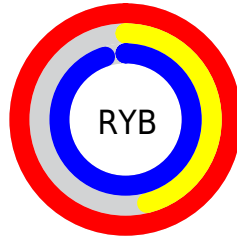
Distribution



Red (100%)

Green (46%)

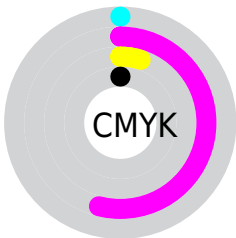
Blue (95%)



Red (100%)

Yellow (46%)

Blue (95%)

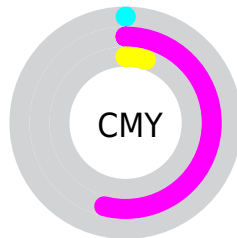


Cyan (0%)

Magenta (54%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6283, 40.3934, 88.4475 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 63.6283, 40.3934, 88.4475 by changing the saturation by 10% instead.


 63.6283, 40.3934,
88.4475

 63.6283, 40.3934,
88.4475


427.4697,
347.7789, 543.4068

 46.6102, 27.8454,
66.1273

 109.1522, 75.7622,
147.0966

 32.9343, 18.2092,
47.9186


 138.3887, 99.3518,
184.2626

 22.2351, 11.1003,
33.4029

 172.4288,
127.3907, 227.2143

 14.1473, 6.1343,
22.1616

211.6378,
160.2633, 276.3702

 8.3056, 2.9269,
13.7763

256.3810,
198.3541, 332.1489

 4.3446, 1.0937,
7.8282

307.0238,

 1.8988, 0.0000,

242.0473, 394.9688

3.8991

363.9316,
291.7275, 465.2486

■ 0.5762, 0.0000,
1.5701

■ 0.0000, 0.0000,
0.2694

■ 63.6283, 40.3934,
88.4475

■ 63.6283, 40.3934,
88.4475

■ 60.6931, 35.0965,
85.7011

■ 67.3790, 47.3133,
91.4901

■ 58.5034, 31.2831,
83.2260

■ 72.0023, 55.9711,
94.8466

■ 56.9816, 28.7982,
80.9968

■ 77.5534, 66.4769,
98.5358

■ 56.0322, 27.4503,
78.9814

■ 84.0821, 78.9301,
102.5746

■ 55.6607, 27.0283,
77.8686

■ 91.6346, 93.4233,
106.9784

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.



51.9962, 40.3934, 135.8540



63.6283, 40.3934, 88.4475



68.2312, 40.3934, 43.6971

Triad

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



63.6283, 40.3934, 88.4475



38.2933, 40.3934, 4.6189



20.9723, 40.3934, 89.2364

Complementary

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



63.6283, 40.3934, 88.4475



47.1267, 76.9142, 33.4834

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.



18.8372, 40.3934, 44.2672



63.6283, 40.3934, 88.4475



27.3965, 40.3934, 7.0667

Square

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



63.6283, 40.3934, 88.4475



51.7855, 40.3934, 6.9828



20.9058, 40.3934, 17.6618



27.5344, 40.3934, 136.4594

Rectangle

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



63.6283, 40.3934, 88.4475



66.0516, 40.3934, 24.0126



20.9058, 40.3934, 17.6618



19.7869, 40.3934, 72.7575

Sweetspot

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



63.6292, 40.3950, 88.4483



82.7745, 76.4293, 101.7859



33.3905, 24.5727, 97.5909



17.4203, 15.7921, 21.6051



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.



63.6292, 40.3950, 88.4483



60.4703, 34.7013, 85.4714



55.2913, 37.0598, 44.5416



18.7145, 18.2691, 22.3799



29.1143, 14.1350, 40.8477



2.8554, 1.3845, 4.0857

Inverse Universe

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



63.6292, 40.3950, 88.4483



60.4703, 34.7013, 85.4714



53.2328, 79.3567, 65.6376



18.7145, 18.2691, 22.3799



29.1143, 14.1350, 40.8477



2.8554, 1.3845, 4.0857

Previews

White Background



This preview shows how the XYZ color 63.6283, 40.3934, 88.4475 looks on a white background.

Color Contrast Check

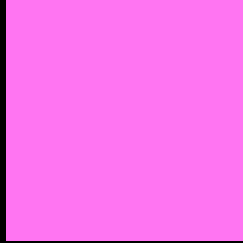
Large Text (above 18pt) WCAG AA × Fail

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 63.6283, 40.3934, 88.4475 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 63.6283, 40.3934, 88.4475

Background



This preview shows how black text looks on a background with the XYZ color 63.6283, 40.3934, 88.4475.



This preview shows how white text looks on a background with the XYZ color 63.6283, 40.3934,

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

63.6283, 40.3934, 88.4475

Protanopia

42.8678, 40.8007, 100.2237

Deuteranopia

41.6595, 40.5639, 82.7247



Tritanopia

52.1913, 40.1913, 33.8611

Trichromacy



Original Color

63.6283, 40.3934, 88.4475



Protanomaly

47.2942, 38.3421, 95.3506



Deuteranomaly

46.8740, 38.3698, 84.2925



Tritanomaly

55.5099, 39.8779, 49.5713

Monochromacy



Original Color

63.6283, 40.3934, 88.4475



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

46.2129, 39.5562, 58.6255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6283, 40.3934, 88.4475 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, 117, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 242)  
}
```

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, 117, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 242) }
```

Border

The CSS property to change the border of an element to XYZ 63.6283, 40.3934, 88.4475 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, 117, 242) }
```


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

```
.border{ border-color:rgb(255, 117, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6283, 40.3934, 88.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 242) }
```

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

```
.background{ background-color: rgb(255,  
117, 242) }
```

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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