

Converting Colors

XYZ(62.7889, 40.4542, 82.8052)

Have a look what the booklet for
XYZ(62.7889, 40.4542, 82.8052)
contains.

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Color

**XYZ(62.8322, 40.4518,
83.0936)**

Conversions

Conversions Part 1

Format	Color
Hex	FF77EB
RGB	255, 119, 235
RGB Percent	100%, 47%, 92%
CMY	0.0000, 0.5333, 0.0784
CMYK	0.00, 0.53, 0.08, 0.00
HSL	309°, 100%, 73%
HSV	309°, 53%, 100%
XYZ	62.8322, 40.4518, 83.0936
YIQ	172.8880, 43.8200, 64.9080

Conversions

Conversions Part 2

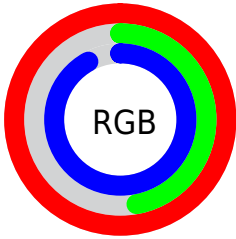
Format	Color
R _Y B	255, 119, 235
Decimal	16742379
CIE Lab	69.79, 65.78, -34.85
CIE LCh	70, 74.442, 332.082
Yxy	40.4518, 0.3371, 0.2170
Android (android.graphics.Color)	4294932459 (0xFFFF77EB)
YUV	172.8880, 30.6212, 72.0122
Hunter-Lab	63.6017, 65.0373, -32.9393

Details

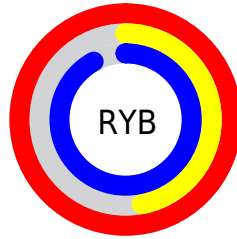
The XYZ color **62.8322, 40.4518, 83.0936** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **48.0293, 77.3067, 36.8187**, and the grayscale version is **39.4981, 41.5551, 45.2535**.

A 20% lighter version of the original color is **74.8153, 59.5307, 102.1551**, and **32.5704, 18.3279, 44.4688** is the 20% darker color. If you saturate the color by 10%, you get **59.6582, 34.9617, 79.3910**, and if you desaturate by 10%, it is **66.8334, 47.5777, 87.1293**.

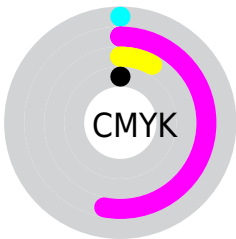
Distribution



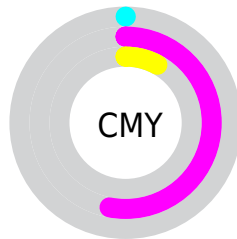
- Red (100%)
- Green (47%)
- Blue (92%)



- Red (100%)
- Yellow (47%)
- Blue (92%)



- Cyan (0%)
- Magenta (53%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.8322, 40.4518, 83.0936 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 62.8322, 40.4518, 83.0936 by changing the saturation by 10% instead.


 62.8322, 40.4518,
83.0936


 62.8322, 40.4518,
83.0936


424.6296,
348.0242, 525.2776


 45.9636, 27.8910,
61.7263

 108.0106, 75.8510,
139.5570

 32.4216, 18.2435,
44.3772


 137.0510, 99.4582,
175.4901

 21.8408, 11.1249,
30.6278


 170.8795,
127.5163, 217.1156

 13.8559, 6.1509,
20.0595

209.8614,
160.4097, 264.8520

 8.1016, 2.9371,
12.2538

254.3620,
198.5228, 319.1179

 4.2124, 1.0990,
6.7921

304.7466,

 1.8230, 0.0000,

242.2399, 380.3317

3.2560

361.3807,
291.9456, 448.9121

■ 0.5314, 0.0000,
1.2268

■ 0.0000, 0.0000,
0.0006

■ 62.8322, 40.4518,
83.0936

■ 62.8322, 40.4518,
83.0936

■ 59.6582, 34.9617,
79.3910

■ 66.8334, 47.5777,
87.1293

■ 57.2419, 30.9688,
75.9964

■ 71.7183, 56.4529,
91.5158

■ 55.5068, 28.3204,
72.8846

■ 77.5419, 67.1869,
96.2723

■ 54.3589, 26.8284,
70.0238

■ 84.3537, 79.8787,
101.4154

■ 53.8295, 26.2958,
68.2252

■ 92.1997, 94.6201,
106.9610

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.



52.1470, 40.4518, 127.8317



62.8322, 40.4518, 83.0936



66.6343, 40.4518, 41.6725

Triad

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



62.8322, 40.4518, 83.0936



37.6106, 40.4518, 5.4090



21.9391, 40.4518, 89.6492

Complementary

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



62.8322, 40.4518, 83.0936



48.0293, 77.3067, 36.8187

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.



19.5987, 40.4518, 46.5061



62.8322, 40.4518, 83.0936



27.3868, 40.4518, 8.3116

Square

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



62.8322, 40.4518, 83.0936



50.3768, 40.4518, 7.5416



21.3638, 40.4518, 19.6699



28.5691, 40.4518, 132.8118

Rectangle

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



62.8322, 40.4518, 83.0936



64.2284, 40.4518, 23.4766



21.3638, 40.4518, 19.6699



20.6957, 40.4518, 74.0739

Sweetspot

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



62.8331, 40.4535, 83.0944



82.4361, 76.2940, 100.0038



34.9870, 25.7454, 97.7331



17.3388, 15.7595, 21.1761



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.



62.8331, 40.4535, 83.0944



59.4736, 34.6492, 79.1544



54.9870, 37.3150, 41.7770



18.6711, 18.2517, 22.1509



28.1708, 13.7576, 35.8796



2.7728, 1.3515, 3.6511

Inverse Universe

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



62.8331, 40.4535, 83.0944



59.4736, 34.6492, 79.1544



54.4045, 79.8568, 70.3901



18.6711, 18.2517, 22.1509



28.1708, 13.7576, 35.8796



2.7728, 1.3515, 3.6511

Previews

White Background



This preview shows how the XYZ color 62.8322, 40.4518, 83.0936 looks on a white background.

Color Contrast Check

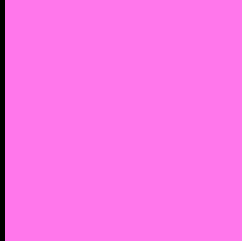
Large Text (above 18pt) WCAG AA × Fail

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 62.8322, 40.4518, 83.0936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

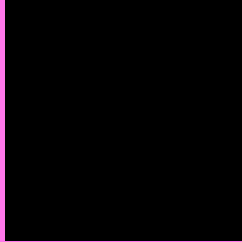
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.8322, 40.4518, 83.0936

Background



This preview shows how black text looks on a background with the XYZ color 62.8322, 40.4518, 83.0936.



This preview shows how white text looks on a background with the XYZ color 62.8322, 40.4518,

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

62.8322, 40.4518, 83.0936

Protanopia

42.8678, 40.8007, 100.2237

Deuteranopia

41.7724, 40.7194, 78.3310



Tritanopia

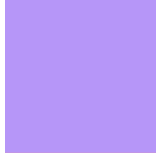
52.5393, 40.3707, 33.8774

Trichromacy



Original Color

62.8322, 40.4518, 83.0936



Protanomaly

47.1410, 38.5351, 93.7604



Deuteranomaly

47.1816, 38.8633, 79.8775



Tritanomaly

55.6587, 39.9785, 48.4991

Monochromacy



Original Color

62.8322, 40.4518, 83.0936



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

45.9836, 39.4645, 57.4184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8322, 40.4518, 83.0936 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, 119, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 235)  
}
```

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, 119, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 235) }
```

Border

The CSS property to change the border of an element to XYZ 62.8322, 40.4518, 83.0936 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, 119, 235) }
```


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

```
.border{ border-color:rgb(255, 119, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8322, 40.4518, 83.0936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 235) }
```

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

```
.background{ background-color: rgb(255,  
119, 235) }
```

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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