

Converting Colors

XYZ(62.2088, 39.8816, 80.7997)

Have a look what the booklet for
XYZ(62.2088, 39.8816, 80.7997)
contains.

| | |
|--|----|
| XYZ(62.1668, 39.8088, 80.7512) | 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(62.1668, 39.8088,
80.7512)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF75E8 |
| RGB | 255, 117, 232 |
| RGB Percent | 100%, 46%, 91% |
| CMY | 0.0000, 0.5411, 0.0902 |
| CMYK | 0.00, 0.54, 0.09, 0.00 |
| HSL | 310°, 100%, 73% |
| HSV | 310°, 54%, 100% |
| XYZ | 62.1668, 39.8088, 80.7512 |
| YIQ | 171.3720, 45.3330, 65.0210 |

Conversions

Conversions Part 2

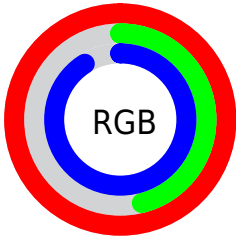
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 255, 117, 232 |
| Decimal | 16741864 |
| CIELab | 69.33, 66.21, -33.91 |
| CIELCh | 69, 74.383, 332.880 |
| Yxy | 39.8088, 0.3402, 0.2179 |
| Android (android.graphics.Color) | 4294931944 (0xFFFF75E8) |
| YUV | 171.3720, 29.8896, 73.3418 |
| Hunter-Lab | 63.0942, 65.4614, -31.7164 |

Details

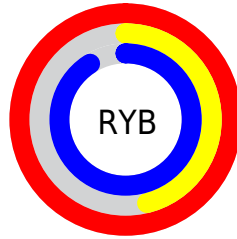
The XYZ color **62.1668, 39.8088, 80.7512** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.8311, 77.1960, 37.1928**, and the grayscale version is **38.7354, 40.7526, 44.3796**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **31.8552, 17.7628, 42.8239** is the 20% darker color. If you saturate the color by 10%, you get **58.9935, 34.4167, 76.7511**, and if you desaturate by 10%, it is **66.1654, 46.8279, 85.0994**.

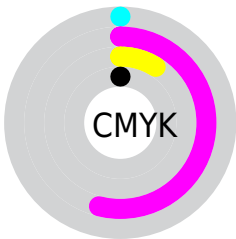
Distribution



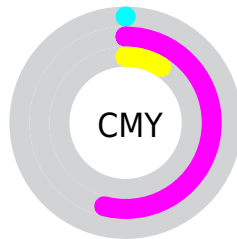
- Red (100%)
- Green (46%)
- Blue (91%)



- Red (100%)
- Yellow (46%)
- Blue (91%)



- Cyan (0%)
- Magenta (54%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.1668, 39.8088, 80.7512 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 62.1668, 39.8088, 80.7512 by changing the saturation by 10% instead.


 62.1668, 39.8088,
80.7512


 62.1668, 39.8088,
80.7512


422.2471,
345.3170, 517.2342


 45.4236, 27.3895,
59.8069


 107.0551, 74.8723,
136.2423

 31.9939, 17.8660,
42.8387


 135.9310, 98.2852,
171.6262

 21.5124, 10.8538,
29.4281


 169.5818,
126.1315, 212.6603

 13.6136, 5.9686,
19.1566

208.3729,
158.7956, 259.7633

 7.9323, 2.8260,
11.6055

252.6696,
196.6618, 313.3536

 4.1031, 1.0416,
6.3564

302.8373,

 1.7606, 0.0000,

240.1145, 373.8499

2.9907

359.2414,
289.5381, 441.6706

■ 0.4938, 0.0000,
1.0899

■ 0.0000, 0.0000,
0.0000

■ 62.1668, 39.8088,
80.7512

■ 62.1668, 39.8088,
80.7512

■ 58.9935, 34.4167,
76.7511

■ 66.1654, 46.8279,
85.0994

■ 56.5755, 30.5120,
73.0738

■ 71.0466, 55.5889,
89.8139

■ 54.8352, 27.9397,
69.6935

■ 76.8657, 66.2018,
94.9139

■ 53.6767, 26.5082,
66.5776

■ 83.6724, 78.7663,
100.4168

■ 53.1867, 26.0387,
64.8406

■ 91.5131, 93.3747,
106.3383

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.



51.7174, 39.8088, 125.3152



62.1668, 39.8088, 80.7512



65.7057, 39.8088, 40.1248

Triad

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



62.1668, 39.8088, 80.7512



36.6953, 39.8088, 5.2593



21.6477, 39.8088, 89.7276

Complementary

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



62.1668, 39.8088, 80.7512



47.8311, 77.1960, 37.1928

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.



19.2295, 39.8088, 46.7331



62.1668, 39.8088, 80.7512



26.6931, 39.8088, 8.2582

Square

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



62.1668, 39.8088, 80.7512



49.2956, 39.8088, 7.2120



20.8625, 39.8088, 19.7525



28.3079, 39.8088, 132.1396

Rectangle

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



62.1668, 39.8088, 80.7512



63.1715, 39.8088, 22.4793



20.8625, 39.8088, 19.7525



20.3836, 39.8088, 74.2598

Sweetspot

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



62.1677, 39.8104, 80.7520



82.3115, 76.2442, 99.3479



35.2283, 25.5202, 97.6769



17.3089, 15.7475, 21.0183



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.



62.1677, 39.8104, 80.7520



58.7501, 34.0132, 76.4130



54.2134, 36.6287, 38.8652



18.6550, 18.2453, 22.0663



27.8393, 13.6250, 34.1340



2.7436, 1.3398, 3.4972

Inverse Universe

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



62.1677, 39.8104, 80.7520



58.7501, 34.0132, 76.4130



54.6060, 79.9060, 72.8685



18.6550, 18.2453, 22.0663



27.8393, 13.6250, 34.1340



2.7436, 1.3398, 3.4972

Previews

White Background



This preview shows how the XYZ color 62.1668, 39.8088, 80.7512 looks on a white background.

Color Contrast Check

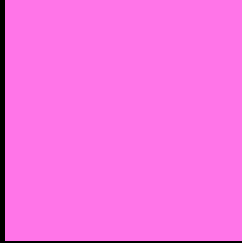
Large Text (above 18pt) WCAG AA × Fail

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 62.1668, 39.8088, 80.7512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

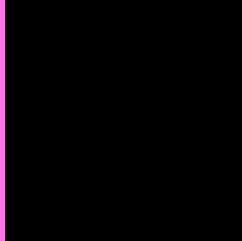
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.1668, 39.8088, 80.7512

Background



This preview shows how black text looks on a background with the XYZ color 62.1668, 39.8088, 80.7512.



This preview shows how white text looks on a background with the XYZ color 62.1668, 39.8088,

80.7512.

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

62.1668, 39.8088, 80.7512

Protanopia

42.3499, 40.2607, 100.1468

Deuteranopia

41.1779, 40.1873, 76.1076



Tritanopia

52.2182, 39.5907, 32.4933

Trichromacy



Original Color

62.1668, 39.8088, 80.7512



Protanomaly

46.5920, 38.0340, 92.8813



Deuteranomaly

46.6049, 38.3784, 77.6245



Tritanomaly

55.0854, 39.3194, 46.8056

Monochromacy



Original Color

62.1668, 39.8088, 80.7512



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

45.0494, 38.5400, 55.5167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.1668, 39.8088, 80.7512 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 232) }
```

Border

The CSS property to change the border of an element to XYZ 62.1668, 39.8088, 80.7512 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, 232) }
```


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

```
.border{ border-color:rgb(255, 117, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 62.1668, 39.8088, 80.7512 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, 232) }
```

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

```
.background{ background-color: rgb(255,  
117, 232) }
```

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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