

Converting Colors

XYZ(71.3575, 44.3391, 85.2364)

Have a look what the booklet for
XYZ(71.3575, 44.3391, 85.2364)
contains.

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Color

**XYZ(62.7715, 39.8652,
84.5071)**

Conversions

Conversions Part 1

Format	Color
Hex	FF74ED
RGB	255, 116, 237
RGB Percent	100%, 45%, 93%
CMY	0.0000, 0.5451, 0.0706
CMYK	0.00, 0.55, 0.07, 0.00
HSL	308°, 100%, 73%
HSV	308°, 55%, 100%
XYZ	62.7715, 39.8652, 84.5071
YIQ	171.3550, 44.0030, 67.0990

Conversions

Conversions Part 2

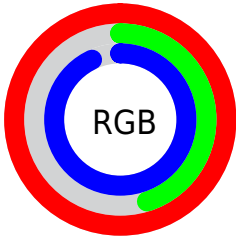
Format	Color
RYB	255, 116, 237
Decimal	16741613
CIELab	69.37, 67.43, -36.60
CIElCh	69, 76.728, 331.507
Yxy	39.8652, 0.3354, 0.2130
Android (android.graphics.Color)	4294931693 (0xFFFF74ED)
YUV	171.3550, 32.3630, 73.3567
Hunter-Lab	63.1389, 66.9683, -35.1584

Details

The XYZ color **62.7715, 39.8652, 84.5071** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.2668, 76.9549, 34.9190**, and the grayscale version is **38.7152, 40.7314, 44.3565**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **32.3093, 17.8646, 45.4614** is the 20% darker color. If you saturate the color by 10%, you get **59.7470, 34.5813, 81.1408**, and if you desaturate by 10%, it is **66.6130, 46.7688, 88.1906**.

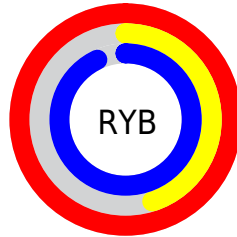
Distribution



Red (100%)

Green (45%)

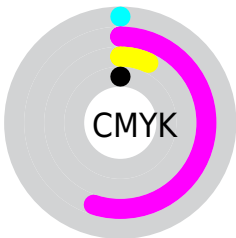
Blue (93%)



Red (100%)

Yellow (45%)

Blue (93%)

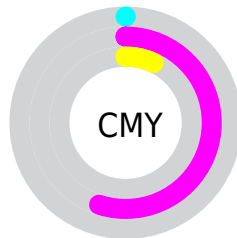


Cyan (0%)

Magenta (55%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (55%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.7715, 39.8652, 84.5071 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 62.7715, 39.8652, 84.5071 by changing the saturation by 10% instead.

 62.7715, 39.8652,
84.5071

 62.7715, 39.8652,
84.5071


424.4126,
345.5551, 530.0977


 45.9143, 27.4335,
62.8864

 107.9235, 74.9582,
141.5524

 32.3826, 17.8990,
45.3089


 136.9489, 98.3883,
177.8140

 21.8108, 10.8775,
31.3561


 170.7613,
126.2532, 219.7930

 13.8338, 5.9845,
20.6094

209.7258,
158.9374, 267.9079

 8.0861, 2.8357,
12.6503

254.2078,
196.8253, 322.5773

 4.2024, 1.0466,
7.0603

304.5727,

 1.8172, 0.0000,

240.3013, 384.2197

3.4208

361.1858,
289.7498, 453.2536

■ 0.5280, 0.0000,
1.3133

■ 0.0000, 0.0000,
0.0727

■ 62.7715, 39.8652,
84.5071

■ 62.7715, 39.8652,
84.5071

■ 59.7470, 34.5813,
81.1408

■ 66.6130, 46.7688,
88.1906

■ 57.4693, 30.7768,
78.0666


■ 71.3291, 55.4076,
92.2092

■ 55.8604, 28.2958,
75.2586

■ 76.9753, 65.8918,
96.5820

■ 54.8235, 26.9448,
72.6845

■ 83.6013, 78.3215,
101.3261

 54.4219, 26.5328,
71.3448

 91.2537, 92.7894,
106.4570

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.



51.6758, 39.8652, 130.8066



62.7715, 39.8652, 84.5071



66.8652, 39.8652, 41.6452

Triad

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



62.7715, 39.8652, 84.5071



37.2706, 39.8652, 4.7680



21.0629, 39.8652, 89.4214

Complementary

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



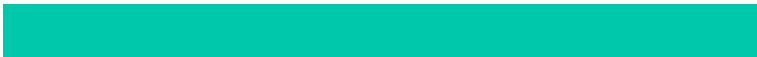
62.7715, 39.8652, 84.5071



47.2668, 76.9549, 34.9190

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.



18.7930, 39.8652, 45.2166



62.7715, 39.8652, 84.5071



26.8049, 39.8652, 7.4440

Square

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



62.7715, 39.8652, 84.5071



50.3591, 39.8652, 6.9063



20.6442, 39.8652, 18.4100



27.6715, 39.8652, 134.5673

Rectangle

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



62.7715, 39.8652, 84.5071



64.4958, 39.8652, 22.9736



20.6442, 39.8652, 18.4100



19.8408, 39.8652, 73.3508

Sweetspot

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



62.7723, 39.8668, 84.5079



82.5481, 76.3388, 100.5937



33.8467, 24.6358, 97.5790



17.3658, 15.7702, 21.3180



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.



62.7723, 39.8668, 84.5079



59.6179, 34.3603, 80.9827



54.6746, 36.6277, 41.8659



18.6855, 18.2575, 22.2268



28.4762, 13.8798, 37.4876



2.7996, 1.3622, 3.7923

Inverse Universe

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



62.7723, 39.8668, 84.5079



59.6179, 34.3603, 80.9827



53.5908, 79.4844, 68.2205



18.6855, 18.2575, 22.2268



28.4762, 13.8798, 37.4876



2.7996, 1.3622, 3.7923

Previews

White Background



This preview shows how the XYZ color 62.7715, 39.8652, 84.5071 looks on a white background.

Color Contrast Check

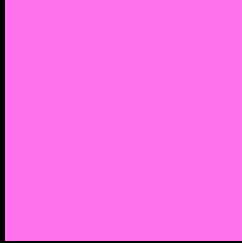
Large Text (above 18pt) WCAG AA × Fail

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 62.7715, 39.8652, 84.5071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

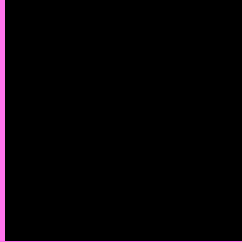
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.7715, 39.8652, 84.5071

Background



This preview shows how black text looks on a background with the XYZ color 62.7715, 39.8652, 84.5071.



This preview shows how white text looks on a background with the XYZ color 62.7715, 39.8652,

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

62.7715, 39.8652, 84.5071

Protanopia

42.3499, 40.2607, 100.1468

Deuteranopia

40.9592, 40.0112, 78.9629



Tritanopia

52.0900, 39.7276, 32.9397

Trichromacy



Original Color

62.7715, 39.8652, 84.5071



Protanomaly

46.5892, 37.7809, 93.6439



Deuteranomaly

46.2489, 37.8965, 80.4785



Tritanomaly

55.2878, 39.4003, 47.8710

Monochromacy



Original Color

62.7715, 39.8652, 84.5071



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

45.2741, 38.6299, 56.6999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7715, 39.8652, 84.5071 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, 116, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 116, 237)  
}
```

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, 116, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 116, 237) }
```

Border

The CSS property to change the border of an element to XYZ 62.7715, 39.8652, 84.5071 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, 116, 237) }
```


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

```
.border{ border-color:rgb(255, 116, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 116, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 116, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 116, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 116,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7715, 39.8652, 84.5071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 116, 237) }
```

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

```
.background{ background-color: rgb(255,  
116, 237) }
```

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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