

Converting Colors

XYZ(83.8805, 59.9685, 89.7025)

Have a look what the booklet for
XYZ(83.8805, 59.9685, 89.7025)
contains.

XYZ(69.5390, 52.6929, 88.9437)	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(69.5390, 52.6929,
88.9437)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA0F0
RGB	255, 160, 240
RGB Percent	100%, 63%, 94%
CMY	0.0000, 0.3725, 0.0588
CMYK	0.00, 0.37, 0.06, 0.00
HSL	309°, 100%, 81%
HSV	309°, 37%, 100%
XYZ	69.5390, 52.6929, 88.9437
YIQ	197.5250, 30.9400, 45.0200

Conversions

Conversions Part 2

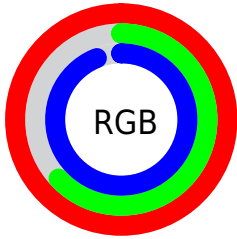
Format	Color
R _Y B	255, 160, 240
Decimal	16752880
CIE Lab	77.69, 46.69, -25.42
CIE LCh	78, 53.161, 331.434
Yxy	52.6929, 0.3293, 0.2495
Android (android.graphics.Color)	4294942960 (0xFFFFA0F0)
YUV	197.5250, 20.9402, 50.4056
Hunter-Lab	72.5899, 43.9656, -21.8346

Details

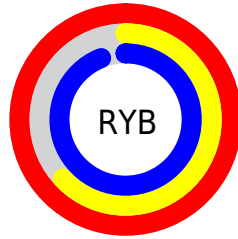
The XYZ color **69.5390, 52.6929, 88.9437** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.9968, 82.0895, 53.3482**, and the grayscale version is **53.2537, 56.0270, 61.0135**.

A 20% lighter version of the original color is **83.8459, 77.5917, 105.1653**, and **36.8317, 25.6391, 48.3550** is the 20% darker color. If you saturate the color by 10%, you get **64.9718, 44.5051, 84.5035**, and if you desaturate by 10%, it is **75.0283, 62.7033, 93.7582**.

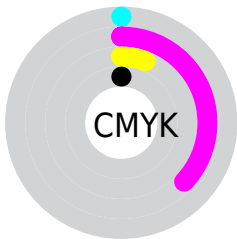
Distribution



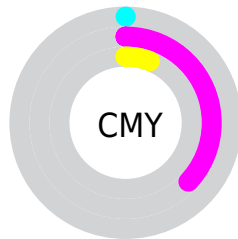
- Red (100%)
- Green (63%)
- Blue (94%)



- Red (100%)
- Yellow (63%)
- Blue (94%)



- Cyan (0%)
- Magenta (37%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.5390, 52.6929, 88.9437 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 69.5390, 52.6929, 88.9437 by changing the saturation by 10% instead.


 69.5390, 52.6929,
88.9437


 69.5390, 52.6929,
88.9437


448.2214,
397.1058, 545.0699

 51.4290, 37.5577,
66.5361

 117.5810, 94.1523,
147.7929

 36.7726, 25.6396,
48.2485


 148.2437,
121.2453, 185.0717

 25.2043, 16.5542,
33.6623


183.8213,
153.0930, 228.1446

 16.3589, 9.9172,
22.3591

224.6793,
190.0798, 277.4301

 9.8709, 5.3441,
13.9201

271.1829,
232.5900, 333.3469

 5.3751, 2.4505,
7.9270

323.6976,

 2.5060, 0.8517,

281.0082, 396.3134

3.9612

382.5886,
335.7187, 466.7482

■ 0.8983, 0.0000,
1.6041

■ 0.0000, 0.0000,
0.2937

■ 69.5390, 52.6929,
88.9437

■ 69.5390, 52.6929,
88.9437

■ 64.9718, 44.5051,
84.5035

■ 75.0283, 62.7033,
93.7582

■ 61.2674, 38.0218,
80.4152

■ 81.4873, 74.6321,
98.9611

■ 58.3649, 33.1213,
76.6589

■ 88.9647, 88.5760,
104.5698

■ 56.1937, 29.6629,
73.2106

95.0500, 100.0000,
108.9000

■ 54.6712, 27.4809,
70.0423

■ 53.6904, 26.3618,
67.1179

■ 53.4719, 26.1528,
66.3425

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.1219, 52.6929, 120.5439



69.5390, 52.6929, 88.9437



72.5708, 52.6929, 55.9674

Triad

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



69.5390, 52.6929, 88.9437



49.5896, 52.6929, 17.3345



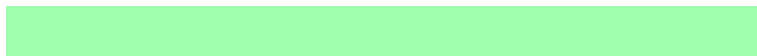
35.0321, 52.6929, 92.2738

Complementary

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



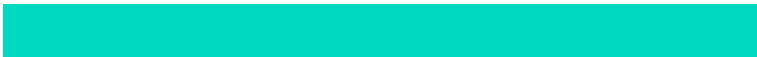
69.5390, 52.6929, 88.9437



57.9968, 82.0895, 53.3482

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.



32.7990, 52.6929, 58.8031



69.5390, 52.6929, 88.9437



40.4603, 52.6929, 21.3442

Square

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



69.5390, 52.6929, 88.9437



60.1479, 52.6929, 20.6192



34.6434, 52.6929, 34.3275



41.2086, 52.6929, 122.8847

Rectangle

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



69.5390, 52.6929, 88.9437



70.8410, 52.6929, 39.0639



34.6434, 52.6929, 34.3275



33.8366, 52.6929, 80.6618

Sweetspot

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



69.5402, 52.6950, 88.9448



86.0404, 83.1088, 102.4194



48.1343, 41.3917, 100.0602



18.1975, 17.3807, 21.7585



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.



69.5402, 52.6950, 88.9448



65.9234, 46.1968, 85.4724



63.4658, 50.2653, 56.9579



18.6622, 18.2482, 22.1041



27.9864, 13.6839, 34.9087



2.7566, 1.3450, 3.5656

Inverse Universe

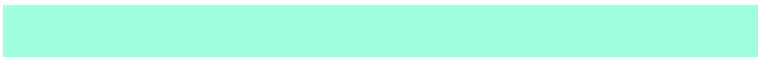
The Inverse Universe completely reimagines the original color for something new.



69.5402, 52.6950, 88.9448



65.9234, 46.1968, 85.4724



63.4100, 84.2548, 81.8539



18.6622, 18.2482, 22.1041



27.9864, 13.6839, 34.9087



2.7566, 1.3450, 3.5656

Previews

White Background



This preview shows how the XYZ color 69.5390, 52.6929, 88.9437 looks on a white background.

Color Contrast Check

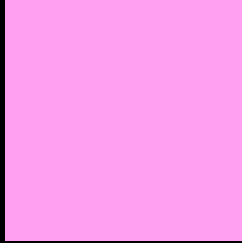
Large Text (above 18pt) WCAG AA × Fail

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 69.5390, 52.6929, 88.9437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

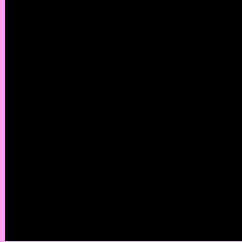
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.5390, 52.6929, 88.9437

Background



This preview shows how black text looks on a background with the XYZ color 69.5390, 52.6929, 88.9437.



This preview shows how white text looks on a background with the XYZ color 69.5390, 52.6929,

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

69.5390, 52.6929, 88.9437

Protanopia

53.9190, 53.0456, 102.0047

Deuteranopia

54.2138, 52.9117, 85.9529



Tritanopia

61.9260, 52.5430, 52.2254

Trichromacy



Original Color

69.5390, 52.6929, 88.9437



Protanomaly

58.0040, 51.8388, 97.3912



Deuteranomaly

58.9380, 52.2514, 87.0999



Tritanomaly

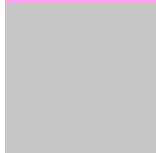
64.5015, 52.5063, 63.8619

Monochromacy



Original Color

69.5390, 52.6929, 88.9437



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

58.3641, 54.1451, 70.3257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5390, 52.6929, 88.9437 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, 160, 240)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 240)  
}
```

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, 160, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 240) }
```

Border

The CSS property to change the border of an element to XYZ 69.5390, 52.6929, 88.9437 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, 160, 240) }
```


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

```
.border{ border-color:rgb(255, 160, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 160, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 240);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5390, 52.6929, 88.9437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 240) }
```

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

```
.background{ background-color: rgb(255,  
160, 240) }
```

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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