

Converting Colors

XYZ(70.3879, 53.9273, 90.6553)

Have a look what the booklet for
XYZ(70.3879, 53.9273, 90.6553)
contains.

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Color

**XYZ(70.3642, 53.8652,
90.6928)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA3F2
RGB	255, 163, 242
RGB Percent	100%, 64%, 95%
CMY	0.0000, 0.3608, 0.0510
CMYK	0.00, 0.36, 0.05, 0.00
HSL	308°, 100%, 82%
HSV	308°, 36%, 100%
XYZ	70.3642, 53.8652, 90.6928
YIQ	199.5140, 29.4730, 44.0730

Conversions

Conversions Part 2

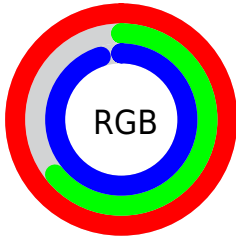
Format	Color
R _Y B	255, 163, 242
Decimal	16753650
CIE Lab	78.38, 45.49, -25.45
CIE LCh	78, 52.126, 330.777
Yxy	53.8652, 0.3274, 0.2506
Android (android.graphics.Color)	4294943730 (0xFFFFA3F2)
YUV	199.5140, 20.9456, 48.6612
Hunter-Lab	73.3929, 42.6962, -21.8906

Details

The XYZ color **70.3642, 53.8652, 90.6928** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **58.7025, 82.4419, 53.8959**, and the grayscale version is **54.4652, 57.3016, 62.4014**.

A 20% lighter version of the original color is **84.6215, 79.1430, 105.4238**, and **37.3575, 26.3528, 49.5720** is the 20% darker color. If you saturate the color by 10%, you get **65.7489, 45.4920, 86.5111**, and if you desaturate by 10%, it is **75.9053, 64.0725, 95.2372**.

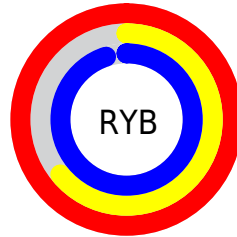
Distribution



Red (100%)

Green (64%)

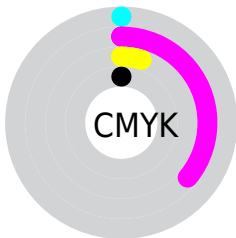
Blue (95%)



Red (100%)

Yellow (64%)

Blue (95%)

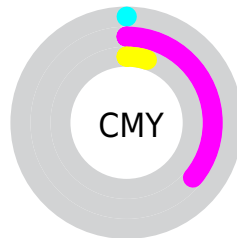


Cyan (0%)

Magenta (36%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3642, 53.8652, 90.6928 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 70.3642, 53.8652, 90.6928 by changing the saturation by 10% instead.


 70.3642, 53.8652,
90.6928

 70.3642, 53.8652,
90.6928


451.0742,
401.5958, 550.9101

 52.1042, 38.4939,
67.9784


 118.7514, 95.8763,
150.2443

 37.3127, 26.3662,
49.4136

 149.6093,
123.2849, 187.9185

 25.6245, 17.0978,
34.5798


185.3972,
155.4747, 231.4163

 16.6741, 10.3043,
23.0584

226.4805,
192.8301, 281.1565

 10.0963, 5.6012,
14.4309

273.2245,
235.7355, 337.5574

 5.5256, 2.6041,
8.2788


325.9945,


 2.5967, 0.9287,


284.5753, 401.0376


4.1836


385.1560,
339.7340, 472.0156


 0.9443, 0.0000,
1.7266


 0.0000, 0.0000,
0.3788


 70.3642, 53.8652,
90.6928


 70.3642, 53.8652,
90.6928


 65.7489, 45.4920,
86.5111


 75.9053, 64.0725,
95.2372

 62.0005, 38.8359,
82.6699

 82.4193, 76.2087,
100.1580

 59.0592, 33.7770,
79.1498

 89.9543, 90.3695,
105.4724

 56.8555, 30.1767,
75.9273

95.0500, 100.0000,
108.9000

■ 55.3085, 27.8730,
72.9751

■ 54.3175, 26.6648,
70.2593

■ 54.0219, 26.3728,
69.2386

Harmonies

Analogous

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



61.9420, 53.8652, 121.6218



70.3642, 53.8652, 90.6928



73.5036, 53.8652, 57.8888

Triad

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



70.3642, 53.8652, 90.6928



50.9307, 53.8652, 18.4177



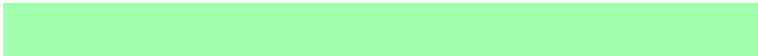
36.0824, 53.8652, 92.4753

Complementary

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



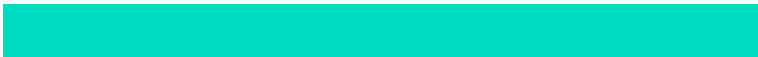
70.3642, 53.8652, 90.6928



58.7025, 82.4419, 53.8959

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.



33.9330, 53.8652, 59.4180



70.3642, 53.8652, 90.6928



41.7730, 53.8652, 22.3310

Square

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



70.3642, 53.8652, 90.6928



61.4184, 53.8652, 21.9318



35.8713, 53.8652, 35.2132



42.1781, 53.8652, 122.8694

Rectangle

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



70.3642, 53.8652, 90.6928



71.8891, 53.8652, 40.8427



35.8713, 53.8652, 35.2132



34.9138, 53.8652, 81.0011

Sweetspot

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



70.3654, 53.8674, 90.6939



86.1137, 83.1382, 102.8055



48.8885, 42.5620, 100.2463



18.2151, 17.3877, 21.8511



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.



70.3654, 53.8674, 90.6939



67.0738, 47.8799, 87.7605



64.3862, 51.4757, 59.2078



18.6758, 18.2536, 22.1758



28.2700, 13.7973, 36.4021



2.7815, 1.3550, 3.6970

Inverse Universe

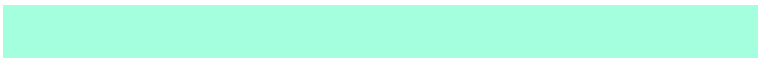
The Inverse Universe completely reimagines the original color for something new.



70.3654, 53.8674, 90.6939



67.0738, 47.8799, 87.7605



63.9525, 84.5420, 81.5421



18.6758, 18.2536, 22.1758



28.2700, 13.7973, 36.4021



2.7815, 1.3550, 3.6970

Previews

White Background



This preview shows how the XYZ color 70.3642, 53.8652, 90.6928 looks on a white background.

Color Contrast Check

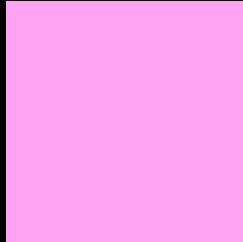
Large Text (above 18pt) WCAG AA × Fail

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 70.3642, 53.8652, 90.6928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

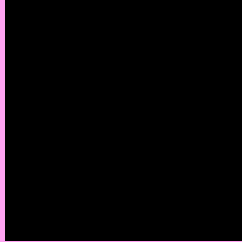
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.3642, 53.8652, 90.6928

Background



This preview shows how black text looks on a background with the XYZ color 70.3642, 53.8652, 90.6928.



This preview shows how white text looks on a background with the XYZ color 70.3642, 53.8652,

90.6928.

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

70.3642, 53.8652, 90.6928

Protanopia

55.0311, 54.2664, 102.1818

Deuteranopia

55.4377, 54.1478, 87.6505



Tritanopia

62.8171, 53.8164, 54.0905

Trichromacy



Original Color

70.3642, 53.8652, 90.6928



Protanomaly

58.9560, 52.9290, 97.5515



Deuteranomaly

59.9256, 53.3216, 88.7950



Tritanomaly

65.4209, 53.7637, 65.9609

Monochromacy



Original Color

70.3642, 53.8652, 90.6928



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

59.5513, 55.6626, 71.8952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3642, 53.8652, 90.6928 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, 163, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 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, 163, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 242) }
```

Border

The CSS property to change the border of an element to XYZ 70.3642, 53.8652, 90.6928 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, 163, 242) }
```


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

```
.border{ border-color:rgb(255, 163, 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, 163, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3642, 53.8652, 90.6928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 242) }
```

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

```
.background{ background-color: rgb(255,  
163, 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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