

Converting Colors

XYZ(72.4011, 56.7204,
101.2078)

Have a look what the booklet for
XYZ(72.4011, 56.7204, 101.2078)
contains.

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Color

**XYZ(72.4090, 56.6007,
100.8746)**

Conversions

Conversions Part 1

Format	Color
Hex	FCAA FE
RGB	252, 170, 254
RGB Percent	99%, 67%, 100%
CMY	0.0118, 0.3333, 0.0039
CMYK	0.01, 0.33, 0.00, 0.00
HSL	299°, 98%, 83%
HSV	299°, 33%, 100%
XYZ	72.4090, 56.6007, 100.8746
YIQ	204.0940, 21.9080, 43.5080

Conversions

Conversions Part 2

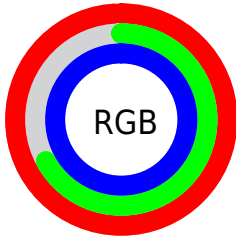
Format	Color
R _Y B	252, 170, 254
Decimal	16558846
CIE Lab	79.95, 43.06, -29.53
CIE LCh	80, 52.213, 325.555
Yxy	56.6007, 0.3150, 0.2462
Android (android.graphics.Color)	4294748926 (0xFFFCAAFE)
YUV	204.0940, 24.6037, 42.0136
Hunter-Lab	75.2334, 40.1402, -26.8339

Details

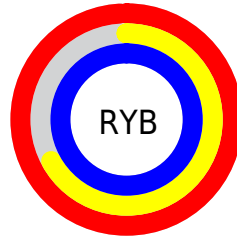
The XYZ color **72.4090, 56.6007, 100.8746** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **59.7128, 82.5580, 50.8212**, and the grayscale version is **57.2953, 60.2791, 65.6439**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **38.5716, 27.9913, 56.1932** is the 20% darker color. If you saturate the color by 10%, you get **67.8816, 47.8694, 99.4287**, and if you desaturate by 10%, it is **77.8605, 67.1770, 102.6295**.

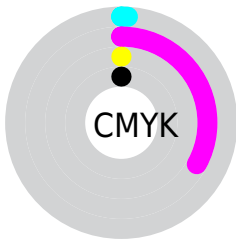
Distribution



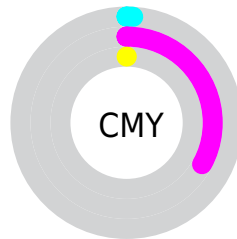
- Red (99%)
- Green (67%)
- Blue (100%)



- Red (99%)
- Yellow (67%)
- Blue (100%)



- Cyan (1%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4090, 56.6007, 100.8746 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 72.4090, 56.6007, 100.8746 by changing the saturation by 10% instead.


 72.4090, 56.6007,
100.8746

 72.4090, 56.6007,
100.8746


458.0995,
411.9514, 584.2637

 53.7795, 40.6847,
76.4102


 121.6455, 99.8823,
164.4209

 38.6554, 28.0728,
56.2603


152.9832,
128.0168, 204.3399

 26.6713, 18.3806,
40.0062


189.2877,
160.9929, 250.2475

 17.4618, 11.2236,
27.2296

230.9244,
199.1949, 302.5623

 10.6616, 6.2174,
17.5118

278.2585,
243.0075, 361.7027

 5.9054, 2.9777,
10.4342

331.6555,

 2.8277, 1.1201,

292.8148, 428.0874

5.5785

391.4807,
349.0013, 502.1349

■ 1.0633, 0.0000,
2.5259

■ 0.0000, 0.0000,
0.8538

■ 72.4090, 56.6007,
100.8746

■ 72.4090, 56.6007,
100.8746

■ 67.8816, 47.8694,
99.4287

■ 77.8605, 67.1770,
102.6295

■ 64.2198, 40.8691,
98.2705

■ 84.2796, 79.6886,
104.7062

■ 61.3666, 35.4854,
97.3817

■ 91.7136, 94.2288,
107.1209

■ 59.2564, 31.5863,
96.7404

94.6765, 99.8260,
108.0451

■ 57.8129, 29.0197,
96.3211

94.8896, 99.9358,
108.0551

■ 56.9436, 27.6006,
96.0930

■ 56.5849, 27.1040,
96.0160

Harmonies

Analogous

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



63.0734, 56.6007, 130.6815



72.4090, 56.6007, 100.8746



76.7740, 56.6007, 66.2627

Triad

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



72.4090, 56.6007, 100.8746



55.3919, 56.6007, 19.8389



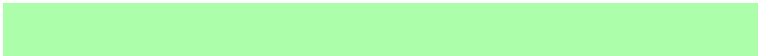
37.4302, 56.6007, 90.3813

Complementary

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



72.4090, 56.6007, 100.8746



59.7128, 82.5580, 50.8212

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.



35.9337, 56.6007, 57.2156



72.4090, 56.6007, 100.8746



45.4784, 56.6007, 22.5527

Square

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



72.4090, 56.6007, 100.8746



66.1637, 56.6007, 24.9465



38.6839, 56.6007, 34.1656



43.0765, 56.6007, 123.3581

Rectangle

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



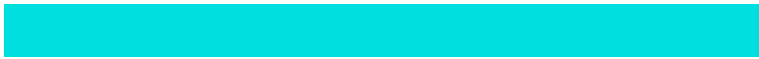
72.4090, 56.6007, 100.8746



75.9091, 56.6007, 47.2684



38.6839, 56.6007, 34.1656



36.4596, 56.6007, 78.6371

Sweetspot

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



72.4108, 56.6032, 100.8758



87.2249, 84.6808, 106.3555



49.3747, 45.5152, 99.9497



18.4523, 17.7004, 22.6939



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.



72.4108, 56.6032, 100.8758



69.7936, 50.8049, 100.7355



67.4897, 54.7188, 71.1622



18.7474, 18.2770, 22.7897



29.8511, 14.2993, 50.6213



2.9195, 1.3990, 4.9294

Inverse Universe

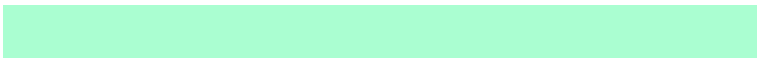
The Inverse Universe completely reimagines the original color for something new.



62.6961, 52.8014, 45.9196



58.5836, 46.4234, 37.0720



63.5548, 84.0445, 73.3263



18.0269, 17.9941, 18.7589



21.5737, 11.1188, 1.1398



2.1064, 1.0850, 0.1420

Previews

White Background



This preview shows how the XYZ color 72.4090, 56.6007, 100.8746 looks on a white background.

Color Contrast Check

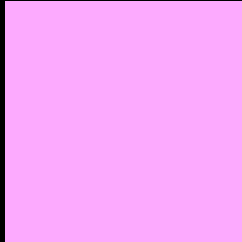
Large Text (above 18pt) WCAG AA × Fail

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 72.4090, 56.6007, 100.8746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

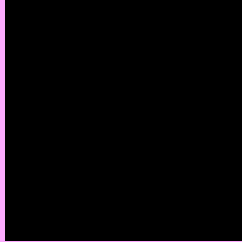
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.4090, 56.6007, 100.8746

Background



This preview shows how black text looks on a background with the XYZ color 72.4090, 56.6007, 100.8746.



This preview shows how white text looks on a background with the XYZ color 72.4090, 56.6007,

100.8746.

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

72.4090, 56.6007, 100.8746

Protanopia

57.3077, 57.0976, 102.6082

Deuteranopia

58.3522, 57.0762, 97.5639



Tritanopia

64.0000, 56.6745, 59.7907

Trichromacy



Original Color

72.4090, 56.6007, 100.8746



Protanomaly

61.5525, 56.0260, 102.1777



Deuteranomaly

62.7030, 56.3790, 98.8442



Tritanomaly

66.8026, 56.6247, 73.0544

Monochromacy



Original Color

72.4090, 56.6007, 100.8746



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

61.8532, 58.3454, 77.1090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4090, 56.6007, 100.8746 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(252, 170, 254)` looks like.

```
.text, #text, p{  
    color:rgb(252, 170, 254)  
}
```

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(252, 170, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 170, 254) }
```

Border

The CSS property to change the border of an element to XYZ 72.4090, 56.6007, 100.8746 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(252, 170, 254) }
```


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

```
.border{ border-color:rgb(252, 170, 254) }
```

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

Here you see how a box with a 4 pixel rgb(252, 170, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 170, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 170, 254);  
box-shadow:4px 4px 4px 4px rgb(252, 170,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4090, 56.6007, 100.8746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 170, 254) }
```

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

```
.background{ background-color: rgb(252,  
170, 254) }
```

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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