

Converting Colors

XYZ(59.3977, 36.6883, 72.3749)

Have a look what the booklet for
XYZ(59.3977, 36.6883, 72.3749)
contains.

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Color

**XYZ(59.4452, 36.7885,
72.3744)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6ADD
RGB	255, 106, 221
RGB Percent	100%, 42%, 87%
CMY	0.0000, 0.5843, 0.1333
CMYK	0.00, 0.58, 0.13, 0.00
HSL	314°, 100%, 71%
HSV	314°, 58%, 100%
XYZ	59.4452, 36.7885, 72.3744
YIQ	163.6610, 51.8890, 67.3530

Conversions

Conversions Part 2

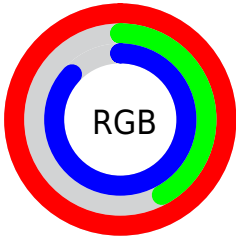
Format	Color
R _Y B	255, 106, 221
Decimal	16739037
CIE Lab	67.12, 69.32, -31.24
CIE LCh	67, 76.037, 335.744
Yxy	36.7885, 0.3526, 0.2182
Android (android.graphics.Color)	4294929117 (0xFFFF6ADD)
YUV	163.6610, 28.2681, 80.1043
Hunter-Lab	60.6535, 68.8003, -28.2899

Details

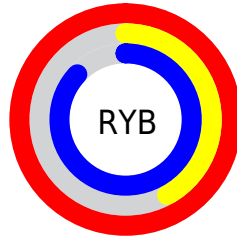
The XYZ color **59.4452, 36.7885, 72.3744** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **46.4388, 76.4783, 37.1277**, and the grayscale version is **34.9798, 36.8015, 40.0768**.

A 20% lighter version of the original color is **72.5655, 55.0309, 101.4052**, and **30.2525, 16.0830, 37.5862** is the 20% darker color. If you saturate the color by 10%, you get **56.4351, 31.9875, 67.6122**, and if you desaturate by 10%, it is **63.2648, 43.1653, 77.5399**.

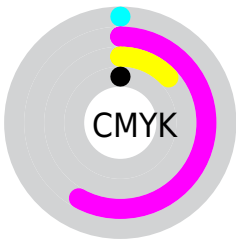
Distribution



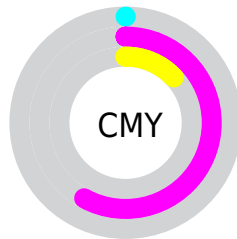
- Red (100%)
- Green (42%)
- Blue (87%)



- Red (100%)
- Yellow (42%)
- Blue (87%)



- Cyan (0%)
- Magenta (58%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.4452, 36.7885, 72.3744 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 59.4452, 36.7885, 72.3744 by changing the saturation by 10% instead.


 59.4452, 36.7885,
72.3744

 59.4452, 36.7885,
72.3744

412.4174,
332.3939, 487.8562


 43.2194, 25.0438,
52.9759

 103.1354, 70.2474,
124.3013


 30.2525, 16.1097,
37.3959


 131.3304, 92.7303,
157.6668

 20.1794, 9.6018,
25.2160

 164.2459,
119.5615, 196.5251

 12.6345, 5.1357,
16.0176

 202.2472,
151.1252, 241.2946

 7.2526, 2.3271,
9.3821

245.6996,
187.8059, 292.3939

 3.6683, 0.7880,
4.8910

294.9685,

 1.5163, 0.0000,

229.9880, 350.2416

2.1259

350.4193,
278.0559, 415.2562

■ 0.3369, 0.0000,
0.6311

■ 0.0000, 0.0000,
0.0000

■ 59.4452, 36.7885,
72.3744

■ 59.4452, 36.7885,
72.3744

■ 56.4351, 31.9875,
67.6122

■ 63.2648, 43.1653,
77.5399

■ 54.1601, 28.6145,
63.2259


■ 67.9546, 51.2390,
83.1289


■ 52.5363, 26.5016,
59.1866

■ 73.5720, 61.1240,
89.1623

■ 51.4448, 25.4115,
55.4533

■ 80.1688, 72.9238,
95.6586

 51.2963, 25.2825,
54.8858

 87.7930, 86.7336,
102.6351

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.



49.6509, 36.7885, 117.2916



59.4452, 36.7885, 72.3744



62.1249, 36.7885, 34.0079

Triad

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



59.4452, 36.7885, 72.3744



32.7851, 36.7885, 4.2141



19.8306, 36.7885, 90.0405

Complementary

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



59.4452, 36.7885, 72.3744



46.4388, 76.4783, 37.1277

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.



17.1633, 36.7885, 46.7828



59.4452, 36.7885, 72.3744



23.5067, 36.7885, 7.3931

Square

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



59.4452, 36.7885, 72.3744



44.9330, 36.7885, 5.5113



18.3428, 36.7885, 19.1574



26.5946, 36.7885, 130.8436

Rectangle

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



59.4452, 36.7885, 72.3744



59.0978, 36.7885, 18.2542



18.3428, 36.7885, 19.1574



18.5022, 36.7885, 74.6237

Sweetspot

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



59.4460, 36.7901, 72.3751



80.4741, 73.4737, 95.9476



33.7339, 22.9575, 97.2610



16.7889, 14.9426, 20.1204



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.



59.4460, 36.7901, 72.3751



56.0308, 31.3668, 66.8986



51.7577, 33.7147, 31.8888



18.6049, 18.2253, 21.8024



26.8631, 13.2345, 28.9931



2.6568, 1.3051, 3.0401

Inverse Universe

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



59.4460, 36.7901, 72.3751



56.0308, 31.3668, 66.8986



53.6877, 79.3778, 75.2999



18.6049, 18.2253, 21.8024



26.8631, 13.2345, 28.9931



2.6568, 1.3051, 3.0401

Previews

White Background



This preview shows how the XYZ color 59.4452, 36.7885, 72.3744 looks on a white background.

Color Contrast Check

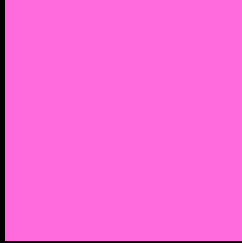
Large Text (above 18pt) WCAG AA × Fail

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 59.4452, 36.7885, 72.3744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

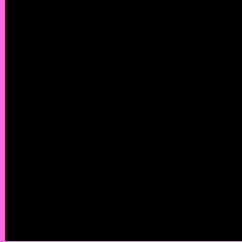
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4452, 36.7885, 72.3744

Background



This preview shows how black text looks on a background with the XYZ color 59.4452, 36.7885, 72.3744.



This preview shows how white text looks on a background with the XYZ color 59.4452, 36.7885,

72.3744.

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

59.4452, 36.7885, 72.3744

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

37.9550, 37.1132, 67.4505



Tritanopia

50.0393, 36.5491, 27.7099

Trichromacy



Original Color

59.4452, 36.7885, 72.3744



Protanomaly

43.3817, 34.6348, 89.1927



Deuteranomaly

43.2765, 35.0324, 68.7710



Tritanomaly

52.6388, 36.1234, 40.7574

Monochromacy



Original Color

59.4452, 36.7885, 72.3744



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

41.6054, 35.0180, 50.4653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4452, 36.7885, 72.3744 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, 106, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 221)  
}
```

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, 106, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 221) }
```

Border

The CSS property to change the border of an element to XYZ 59.4452, 36.7885, 72.3744 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, 106, 221) }
```


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

```
.border{ border-color:rgb(255, 106, 221) }
```

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

Here you see how a box with a 4 pixel rgb(255, 106, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4452, 36.7885, 72.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 221) }
```

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

```
.background{ background-color: rgb(255,  
106, 221) }
```

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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