

Converting Colors

XYZ(103.2464, 60.0465,
68.6194)

Have a look what the booklet for
XYZ(103.2464, 60.0465, 68.6194)
contains.

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Color

**XYZ(58.6996, 37.1653,
66.3672)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6ED4
RGB	255, 110, 212
RGB Percent	100%, 43%, 83%
CMY	0.0000, 0.5686, 0.1686
CMYK	0.00, 0.57, 0.17, 0.00
HSL	318°, 100%, 72%
HSV	318°, 57%, 100%
XYZ	58.6996, 37.1653, 66.3672
YIQ	164.9830, 53.6780, 62.4620

Conversions

Conversions Part 2

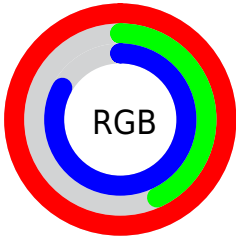
Format	Color
R _Y B	255, 110, 212
Decimal	16740052
CIE Lab	67.40, 66.31, -25.78
CIE LCh	67, 71.145, 338.755
Yxy	37.1653, 0.3618, 0.2291
Android (android.graphics.Color)	4294930132 (0xFFFF6ED4)
YUV	164.9830, 23.1794, 78.9449
Hunter-Lab	60.9633, 65.1859, -21.8712

Details

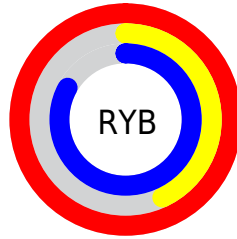
The XYZ color **58.6996, 37.1653, 66.3672** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **47.9416, 77.1356, 42.5017**, and the grayscale version is **35.6317, 37.4874, 40.8237**.

A 20% lighter version of the original color is **73.1087, 56.1174, 101.5862**, and **29.7321, 16.3176, 33.4809** is the 20% darker color. If you saturate the color by 10%, you get **55.4016, 32.0604, 60.6711**, and if you desaturate by 10%, it is **62.8354, 43.8740, 72.5639**.

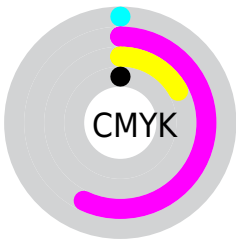
Distribution



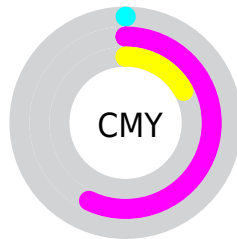
- Red (100%)
- Green (43%)
- Blue (83%)



- Red (100%)
- Yellow (43%)
- Blue (83%)



- Cyan (0%)
- Magenta (57%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (57%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6996, 37.1653, 66.3672 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 58.6996, 37.1653, 66.3672 by changing the saturation by 10% instead.


 58.6996, 37.1653,
66.3672

 58.6996, 37.1653,
66.3672

409.6997,
334.0256, 466.1290


 42.6168, 25.3355,
48.1122

 102.0581, 70.8269,
115.6452

 29.7778, 16.3272,
33.5551


 130.0644, 93.4276,
147.5053

 19.8172, 9.7560,
22.2774

 162.7760,
120.3873, 184.7375

 12.3697, 5.2375,
13.8606

200.5582,
152.0904, 227.7604

 7.0700, 2.3873,
7.8862

243.7763,
188.9215, 276.9924

 3.5526, 0.8193,
3.9355

292.7957,

 1.4523, 0.0000,

231.2647, 332.8521

1.5900

347.9817,
279.5047, 395.7582

■ 0.2930, 0.0000,
0.2837

■ 0.0000, 0.0000,
0.0000

■ 58.6996, 37.1653,
66.3672

■ 58.6996, 37.1653,
66.3672

■ 55.4016, 32.0604,
60.6711

■ 62.8354, 43.8740,
72.5639

■ 52.8682, 28.4142,
55.4469

■ 67.8686, 52.3053,
79.2827

■ 51.0175, 26.0639,
50.6648

■ 73.8563, 62.5721,
86.5459

■ 49.7447, 24.8010,
46.2866

■ 80.8499, 74.7765,
94.3735

■ 49.4148, 24.5299,
44.9782

■ 88.8972, 89.0130,
102.7841

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.



50.1471, 37.1653, 107.7047



58.6996, 37.1653, 66.3672



60.3721, 37.1653, 31.9955

Triad

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



58.6996, 37.1653, 66.3672



32.2275, 37.1653, 5.3994



21.3634, 37.1653, 90.9147

Complementary

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



58.6996, 37.1653, 66.3672



47.9416, 77.1356, 42.5017

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.



18.3861, 37.1653, 50.3148



58.6996, 37.1653, 66.3672



23.7550, 37.1653, 9.3745

Square

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



58.6996, 37.1653, 66.3672



43.4823, 37.1653, 6.3316



19.1609, 37.1653, 22.3705



28.2567, 37.1653, 126.2344

Rectangle

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



58.6996, 37.1653, 66.3672



57.0859, 37.1653, 17.9034



19.1609, 37.1653, 22.3705



19.9434, 37.1653, 76.7850

Sweetspot

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



58.7005, 37.1670, 66.3679



80.7447, 74.5916, 94.2598



36.4057, 24.9612, 97.5070



16.9648, 15.4078, 19.8293



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.



58.7005, 37.1670, 66.3679



55.0755, 31.5738, 60.0521



51.6559, 34.3491, 29.2719



18.5496, 18.2032, 21.5116



25.8891, 12.8449, 23.8643



2.5688, 1.2699, 2.5766

Inverse Universe

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



58.7005, 37.1670, 66.3679



55.0755, 31.5738, 60.0521



55.5896, 80.1948, 82.7755



18.5496, 18.2032, 21.5116



25.8891, 12.8449, 23.8643



2.5688, 1.2699, 2.5766

Previews

White Background



This preview shows how the XYZ color 58.6996, 37.1653, 66.3672 looks on a white background.

Color Contrast Check

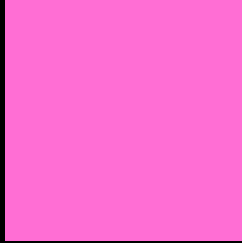
Large Text (above 18pt) WCAG AA × Fail

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 58.6996, 37.1653, 66.3672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

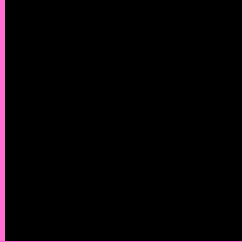
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.6996, 37.1653, 66.3672

Background



This preview shows how black text looks on a background with the XYZ color 58.6996, 37.1653, 66.3672.



This preview shows how white text looks on a background with the XYZ color 58.6996, 37.1653,

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

58.6996, 37.1653, 66.3672

Protanopia

40.0067, 37.7745, 97.2781

Deuteranopia

38.1412, 37.3230, 62.3205



Tritanopia

50.9459, 37.2009, 28.1623

Trichromacy



Original Color

58.6996, 37.1653, 66.3672



Protanomaly

43.2400, 35.1065, 84.6180



Deuteranomaly

43.4412, 35.4531, 63.5850



Tritanomaly

53.3219, 36.8643, 39.4271

Monochromacy



Original Color

58.6996, 37.1653, 66.3672



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

41.8576, 35.6340, 48.9279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6996, 37.1653, 66.3672 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, 110, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 110, 212)  
}
```

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, 110, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 110, 212) }
```

Border

The CSS property to change the border of an element to XYZ 58.6996, 37.1653, 66.3672 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, 110, 212) }
```


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

```
.border{ border-color:rgb(255, 110, 212) }
```

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

Here you see how a box with a 4 pixel rgb(255, 110, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 110, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 110, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 110,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6996, 37.1653, 66.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 110, 212) }
```

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

```
.background{ background-color: rgb(255,  
110, 212) }
```

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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