

Converting Colors

XYZ(62.1275, 37.0818, 96.5408)

Have a look what the booklet for
XYZ(62.1275, 37.0818, 96.5408)
contains.

XYZ(62.2647, 37.1038, 96.8085)	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(62.2647, 37.1038,
96.8085)**

Conversions

Conversions Part 1

Format	Color
Hex	FB66FD
RGB	251, 102, 253
RGB Percent	98%, 40%, 99%
CMY	0.0157, 0.6000, 0.0078
CMYK	0.01, 0.60, 0.00, 0.01
HSL	299°, 97%, 70%
HSV	299°, 60%, 99%
XYZ	62.2647, 37.1038, 96.8085
YIQ	163.7650, 40.3330, 78.5490

Conversions

Conversions Part 2

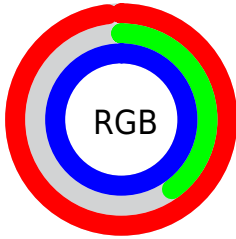
Format	Color
R _Y B	251, 102, 253
Decimal	16475901
CIE Lab	67.35, 74.96, -48.60
CIE LCh	67, 89.336, 327.043
Yxy	37.1038, 0.3174, 0.1891
Android (android.graphics.Color)	4294665981 (0xFFFB66FD)
YUV	163.7650, 43.9929, 76.5051
Hunter-Lab	60.9129, 75.8638, -51.5902

Details

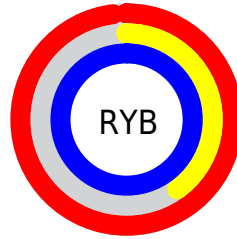
The XYZ color **62.2647, 37.1038, 96.8085** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.2336, 74.1537, 24.6065**, and the grayscale version is **34.9609, 36.7816, 40.0551**.

A 20% lighter version of the original color is **72.0349, 53.9697, 101.2283**, and **32.0507, 16.2640, 53.6745** is the 20% darker color. If you saturate the color by 10%, you get **60.0269, 32.8061, 96.0974**, and if you desaturate by 10%, it is **65.2638, 42.9218, 97.7739**.

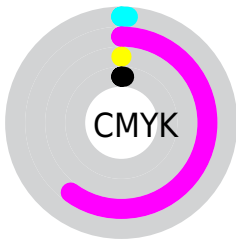
Distribution



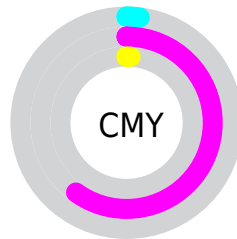
- Red (98%)
- Green (40%)
- Blue (99%)



- Red (98%)
- Yellow (40%)
- Blue (99%)



- Cyan (1%)
- Magenta (60%)
- Yellow (0%)
- Black (1%)




- Cyan (2%)
- Magenta (60%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.2647, 37.1038, 96.8085 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 62.2647, 37.1038, 96.8085 by changing the saturation by 10% instead.


 62.2647, 37.1038,
96.8085


 62.2647, 37.1038,
96.8085

422.5982,
333.7597, 571.0702

 45.5030, 25.2879,
73.0359

 107.1958, 70.7324,
158.7778


 32.0568, 16.2917,
53.5133


 136.0959, 93.3139,
197.8115

 21.5606, 9.7308,
37.8222


 169.7729,
120.2526, 242.7695

 13.6492, 5.2208,
25.5440

 208.5921,
151.9331, 294.0701

 7.9572, 2.3774,
16.2601

252.9189,
188.7396, 352.1319

 4.1191, 0.8142,
9.5520

303.1186,

 1.7697, 0.0000,

231.0566, 417.3735

5.0013

359.5565,
279.2685, 490.2134

■ 0.4993, 0.0000,
2.1893

■ 0.0000, 0.0000,
0.6682

■ 62.2647, 37.1038,
96.8085

■ 62.2647, 37.1038,
96.8085

■ 60.0269, 32.8061,
96.0974

■ 65.2638, 42.9218,
97.7739

■ 58.4748, 29.8806,
95.6145

■ 69.0827, 50.3800,
99.0122

■ 57.5248, 28.1589,
95.3323

■ 73.7788, 59.5922,
100.5429

■ 57.0419, 27.3711,
95.2057

■ 79.4031, 70.6607,
102.3829

57.0294, 27.3516,
95.2026

86.0030, 83.6798,
104.5480

93.6223, 98.7377,
107.0528

94.1239, 99.5596,
107.1850

94.2461, 99.6226,
107.1908

94.3686, 99.6857,
107.1965

Harmonies

Analogous

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



48.6294, 37.1038, 151.5112



62.2647, 37.1038, 96.8085



68.6012, 37.1038, 44.4128

Triad

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



62.2647, 37.1038, 96.8085



36.6408, 37.1038, 2.2030



16.6416, 37.1038, 85.2460

Complementary

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



62.2647, 37.1038, 96.8085



43.2336, 74.1537, 24.6065

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.



14.9782, 37.1038, 36.6360



62.2647, 37.1038, 96.8085



24.6069, 37.1038, 3.5924

Square

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



62.2647, 37.1038, 96.8085



51.6003, 37.1038, 4.4237



17.4778, 37.1038, 11.7116



22.8035, 37.1038, 142.3208

Rectangle

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



62.2647, 37.1038, 96.8085



66.8704, 37.1038, 22.0974



17.4778, 37.1038, 11.7116



15.6201, 37.1038, 66.7477

Sweetspot

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



62.2661, 37.1055, 96.8093



81.8918, 74.0150, 104.5779



28.2131, 19.9233, 95.2876



17.1396, 15.0765, 22.2566



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.



62.2661, 37.1055, 96.8093



60.6803, 32.5795, 97.6980



53.5005, 33.6829, 46.8724



18.7675, 18.2874, 22.7906



30.3480, 14.5555, 50.6445



2.9622, 1.4210, 4.9314

Inverse Universe

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



47.7592, 31.3863, 16.6390



44.7491, 26.3097, 9.1683



48.3423, 76.1707, 52.7052



18.0192, 17.9910, 18.7181



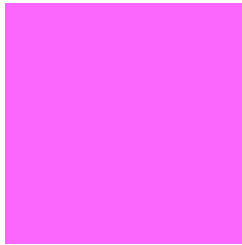
21.5627, 11.1144, 1.0815



2.1028, 1.0835, 0.1225

Previews

White Background



This preview shows how the XYZ color 62.2647, 37.1038, 96.8085 looks on a white background.

Color Contrast Check

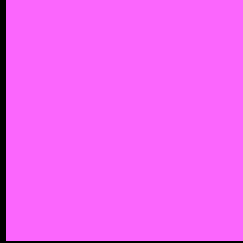
Large Text (above 18pt) WCAG AA × Fail

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 62.2647, 37.1038, 96.8085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

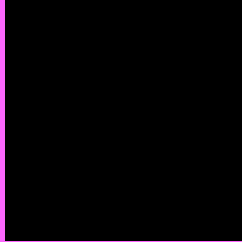
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.2647, 37.1038, 96.8085

Background



This preview shows how black text looks on a background with the XYZ color 62.2647, 37.1038, 96.8085.



This preview shows how white text looks on a background with the XYZ color 62.2647, 37.1038,

96.8085.

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

62.2647, 37.1038, 96.8085

Protanopia

39.6970, 37.2989, 99.7149

Deuteranopia

38.4808, 37.4113, 89.9870



Tritanopia

48.6053, 36.9354, 30.5541

Trichromacy



Original Color

62.2647, 37.1038, 96.8085



Protanomaly

44.5011, 34.7962, 98.1368



Deuteranomaly

43.7689, 34.7638, 92.3989

Tritanomaly

52.4689, 36.3927, 49.0588

Monochromacy



Original Color

62.2647, 37.1038, 96.8085



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

42.2536, 34.7710, 56.7090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.2647, 37.1038, 96.8085 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(251, 102, 253)` looks like.

```
.text, #text, p{  
    color:rgb(251, 102, 253)  
}
```

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(251, 102, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 102, 253) }
```

Border

The CSS property to change the border of an element to XYZ 62.2647, 37.1038, 96.8085 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(251, 102, 253) }
```


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

```
.border{ border-color:rgb(251, 102, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 102, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 102, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 102, 253);  
box-shadow:4px 4px 4px 4px rgb(251, 102,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 62.2647, 37.1038, 96.8085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 102, 253) }
```

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

```
.background{ background-color: rgb(251,  
102, 253) }
```

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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