

Converting Colors

XYZ(87.8298, 51.0851, 79.0250)

Have a look what the booklet for
XYZ(87.8298, 51.0851, 79.0250)
contains.

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Color

**XYZ(60.4344, 37.0203,
78.0891)**

Conversions

Conversions Part 1

Format	Color
Hex	FF69E5
RGB	255, 105, 229
RGB Percent	100%, 41%, 90%
CMY	0.0000, 0.5882, 0.1020
CMYK	0.00, 0.59, 0.10, 0.00
HSL	310°, 100%, 71%
HSV	310°, 59%, 100%
XYZ	60.4344, 37.0203, 78.0891
YIQ	163.9860, 49.5960, 70.3640

Conversions

Conversions Part 2

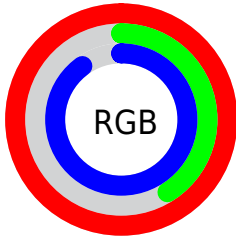
Format	Color
R_{YB}	255, 105, 229
Decimal	16738789
CIE _{Lab}	67.29, 70.93, -35.41
CIE _{LCh}	67, 79.282, 333.468
Yxy	37.0203, 0.3443, 0.2109
Android (android.graphics.Color)	4294928869 (0xFFFF69E5)
YUV	163.9860, 32.0519, 79.8193
Hunter-Lab	60.8443, 70.8199, -33.5032

Details

The XYZ color **60.4344, 37.0203, 78.0891** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.6838, 76.1626, 33.7683**, and the grayscale version is **35.1173, 36.9461, 40.2343**.

A 20% lighter version of the original color is **72.3872, 54.6744, 101.3457**, and **30.8414, 16.2051, 41.0375** is the 20% darker color. If you saturate the color by 10%, you get **57.6062, 32.3388, 74.1403**, and if you desaturate by 10%, it is **64.0585, 43.2679, 82.3816**.

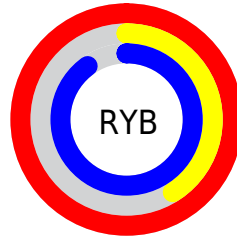
Distribution



Red (100%)

Green (41%)

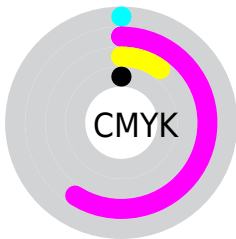
Blue (90%)



Red (100%)

Yellow (41%)

Blue (90%)

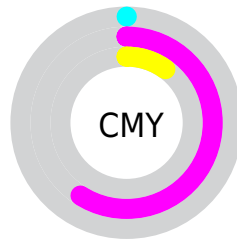


Cyan (0%)

Magenta (59%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.4344, 37.0203, 78.0891 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 60.4344, 37.0203, 78.0891 by changing the saturation by 10% instead.


 60.4344, 37.0203,
78.0891


 60.4344, 37.0203,
78.0891


416.0062,
333.3984, 508.0053


 44.0197, 25.2232,
57.6303

 104.5623, 70.6040,
132.4627

 30.8839, 16.2434,
41.0988

 133.0062, 93.1594,
167.2146

 20.6619, 9.6966,
28.0760


 166.1906,
120.0697, 207.5680

 12.9881, 5.1982,
18.1434

 204.4807,
151.7193, 253.9413

 7.4973, 2.3640,
10.8825

248.2420,
188.4926, 306.7532

 3.8241, 0.8073,
5.8747

297.8398,

 1.6031, 0.0000,

230.7739, 366.4221

2.7015

353.6394,
278.9477, 433.3666

■ 0.3944, 0.0000,
0.9442

■ 0.0000, 0.0000,
0.0000

■ 60.4344, 37.0203,
78.0891

■ 60.4344, 37.0203,
78.0891

■ 57.6062, 32.3388,
74.1403

■ 64.0585, 43.2679,
82.3816

■ 55.4990, 29.0748,
70.5084

■ 68.5390, 51.2032,
87.0372

■ 54.0285, 27.0592,
67.1651

■ 73.9335, 60.9410,
92.0761

■ 53.0707, 26.0445,
64.0686

■ 80.2940, 72.5850,
97.5162

■ 52.9727, 25.9531,
63.7133

■ 87.6682, 86.2308,
103.3741

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.



49.6710, 37.0203, 125.5846



60.4344, 37.0203, 78.0891



63.9604, 37.0203, 36.4036

Triad

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



60.4344, 37.0203, 78.0891



33.7953, 37.0203, 3.6472



19.1032, 37.0203, 89.4717

Complementary

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



60.4344, 37.0203, 78.0891



45.6838, 76.1626, 33.7683

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.



16.6706, 37.0203, 44.4837



60.4344, 37.0203, 78.0891



23.8334, 37.0203, 6.3283

Square

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



60.4344, 37.0203, 78.0891



46.6604, 37.0203, 5.2243



18.1801, 37.0203, 17.2370



25.7673, 37.0203, 134.3980

Rectangle

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



60.4344, 37.0203, 78.0891



61.1930, 37.0203, 19.1391



18.1801, 37.0203, 17.2370



17.8430, 37.0203, 73.1690

Sweetspot

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



60.4353, 37.0219, 78.0898



80.8603, 73.6281, 97.9810



32.3092, 22.0710, 97.1650



16.8842, 14.9807, 20.6219



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.



60.4353, 37.0219, 78.0898



57.0881, 31.5119, 73.3226



52.2092, 33.7314, 34.7717



18.6495, 18.2431, 22.0376



27.7289, 13.5808, 33.5524



2.7338, 1.3359, 3.4458

Inverse Universe

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



60.4353, 37.0219, 78.0898



57.0881, 31.5119, 73.3226



52.6063, 78.9316, 70.2219



18.6495, 18.2431, 22.0376



27.7289, 13.5808, 33.5524



2.7338, 1.3359, 3.4458

Previews

White Background



This preview shows how the XYZ color 60.4344, 37.0203, 78.0891 looks on a white background.

Color Contrast Check

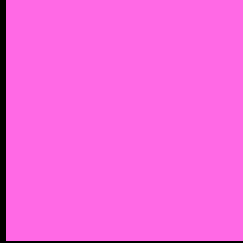
Large Text (above 18pt) WCAG AA × Fail

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 60.4344, 37.0203, 78.0891 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 60.4344, 37.0203, 78.0891

Background



This preview shows how black text looks on a background with the XYZ color 60.4344, 37.0203, 78.0891.



This preview shows how white text looks on a background with the XYZ color 60.4344, 37.0203,

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

60.4344, 37.0203, 78.0891

Protanopia

39.8481, 37.3769, 99.7220

Deuteranopia

38.2330, 37.3975, 72.9135



Tritanopia

49.9628, 36.6858, 28.4925

Trichromacy



Original Color

60.4344, 37.0203, 78.0891



Protanomaly

43.8386, 34.8175, 91.5987



Deuteranomaly

43.5832, 35.0688, 74.2839



Tritanomaly

53.1341, 36.5130, 42.7753

Monochromacy



Original Color

60.4344, 37.0203, 78.0891



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

41.9255, 35.1461, 52.1511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.4344, 37.0203, 78.0891 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, 105, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 229)  
}
```

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, 105, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 229) }
```

Border

The CSS property to change the border of an element to XYZ 60.4344, 37.0203, 78.0891 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, 105, 229) }
```


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

```
.border{ border-color:rgb(255, 105, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 60.4344, 37.0203, 78.0891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 229) }
```

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

```
.background{ background-color: rgb(255,  
105, 229) }
```

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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