

Converting Colors

XYZ(60.1820, 36.4390, 78.2406)

Have a look what the booklet for
XYZ(60.1820, 36.4390, 78.2406)
contains.

XYZ(60.1342, 36.4199, 77.9891)	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(60.1342, 36.4199,
77.9891)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66E5
RGB	255, 102, 229
RGB Percent	100%, 40%, 90%
CMY	0.0000, 0.6000, 0.1020
CMYK	0.00, 0.60, 0.10, 0.00
HSL	310°, 100%, 70%
HSV	310°, 60%, 100%
XYZ	60.1342, 36.4199, 77.9891
YIQ	162.2250, 50.4210, 71.9330

Conversions

Conversions Part 2

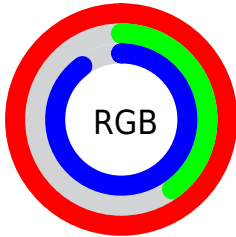
Format	Color
R_{YB}	255, 102, 229
Decimal	16738021
CIE _{Lab}	66.84, 72.17, -36.12
CIE _{LCh}	67, 80.704, 333.414
Yxy	36.4199, 0.3445, 0.2087
Android (android.graphics.Color)	4294928101 (0xFFFF66E5)
YUV	162.2250, 32.9201, 81.3637
Hunter-Lab	60.3489, 72.2544, -34.3764

Details

The XYZ color **60.1342, 36.4199, 77.9891** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **45.1371, 75.9039, 32.6965**, and the grayscale version is **34.2836, 36.0690, 39.2791**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **30.6794, 15.8810, 40.9835** is the 20% darker color. If you saturate the color by 10%, you get **57.4048, 31.9172, 74.1314**, and if you desaturate by 10%, it is **63.6509, 42.4725, 82.1845**.

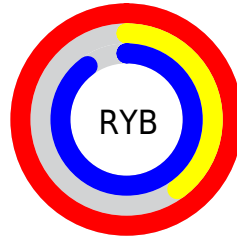
Distribution



Red (100%)

Green (40%)

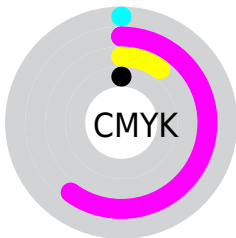
Blue (90%)



Red (100%)

Yellow (40%)

Blue (90%)

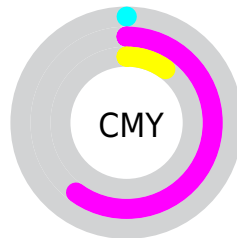


Cyan (0%)

Magenta (60%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1342, 36.4199, 77.9891 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 60.1342, 36.4199, 77.9891 by changing the saturation by 10% instead.


 60.1342, 36.4199,
77.9891

 60.1342, 36.4199,
77.9891


414.9191,
330.7921, 507.6567


 43.7767, 24.7587,
57.5486

 104.1296, 69.6797,
132.3205


 30.6921, 15.8973,
41.0336

 132.4981, 92.0470,
167.0485

 20.5152, 9.4515,
28.0254

 165.6010,
118.7518, 207.3761

 12.8805, 5.0369,
18.1056

 203.8037,
150.1786, 253.7218

 7.4228, 2.2689,
10.8556

247.4715,
186.7115, 306.5042

 3.7765, 0.7572,
5.8569

296.9698,

 1.5765, 0.0000,

228.7352, 366.1418

2.6909

352.6638,
276.6339, 433.0531

■ 0.3770, 0.0000,
0.9388

■ 0.0000, 0.0000,
0.0000

■ 60.1342, 36.4199,
77.9891

■ 60.1342, 36.4199,
77.9891

■ 57.4048, 31.9172,
74.1314

■ 63.6509, 42.4725,
82.1845

■ 55.3867, 28.8133,
70.5845

■ 68.0163, 50.1985,
86.7375

■ 53.9933, 26.9351,
67.3192

■ 73.2888, 59.7141,
91.6684

■ 53.0818, 25.9968,
64.2874

■ 79.5207, 71.1238,
96.9952

■ 53.0815, 25.9966,
64.2865

■ 86.7603, 84.5241,
102.7346

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.



49.2169, 36.4199, 126.3917



60.1342, 36.4199, 77.9891



63.7300, 36.4199, 35.7857

Triad

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



60.1342, 36.4199, 77.9891



33.2372, 36.4199, 3.2856



18.4876, 36.4199, 89.3855

Complementary

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



60.1342, 36.4199, 77.9891



45.1371, 75.9039, 32.6965

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.



16.0746, 36.4199, 43.7938



60.1342, 36.4199, 77.9891



23.2326, 36.4199, 5.8485

Square

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



60.1342, 36.4199, 77.9891



46.2192, 36.4199, 4.8009



17.5828, 36.4199, 16.5371



25.1381, 36.4199, 135.2601

Rectangle

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



60.1342, 36.4199, 77.9891



60.9314, 36.4199, 18.4923



17.5828, 36.4199, 16.5371



17.2355, 36.4199, 72.8130

Sweetspot

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



60.1351, 36.4215, 77.9898



80.8844, 73.6378, 98.1079



31.6302, 21.2753, 97.0472



16.8901, 14.9831, 20.6533



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.



60.1351, 36.4215, 77.9898



56.9461, 31.1885, 73.3969



51.7423, 33.0644, 33.7942



18.6523, 18.2442, 22.0523



27.7850, 13.6033, 33.8482



2.7388, 1.3379, 3.4720

Inverse Universe

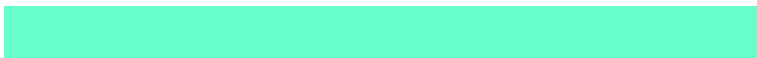
The Inverse Universe completely reimagines the original color for something new.



60.1351, 36.4215, 77.9898



56.9461, 31.1885, 73.3969



52.1398, 78.7050, 69.5719



18.6523, 18.2442, 22.0523



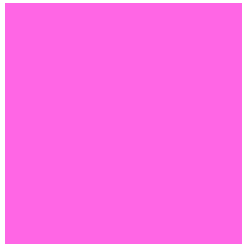
27.7850, 13.6033, 33.8482



2.7388, 1.3379, 3.4720

Previews

White Background



This preview shows how the XYZ color 60.1342, 36.4199, 77.9891 looks on a white background.

Color Contrast Check

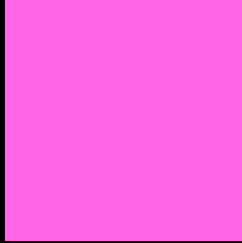
Large Text (above 18pt) WCAG AA × Fail

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 60.1342, 36.4199, 77.9891 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 60.1342, 36.4199, 77.9891

Background



This preview shows how black text looks on a background with the XYZ color 60.1342, 36.4199, 77.9891.



This preview shows how white text looks on a background with the XYZ color 60.1342, 36.4199,

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

60.1342, 36.4199, 77.9891

Protanopia

39.3732, 36.8736, 99.6499

Deuteranopia

37.6958, 36.8601, 72.8381



Tritanopia

49.6895, 36.3688, 27.6935

Trichromacy



Original Color

60.1342, 36.4199, 77.9891



Protanomaly

43.3227, 34.1177, 91.4908



Deuteranomaly

42.9471, 34.5230, 74.2121



Tritanomaly

52.8011, 35.9989, 42.1958

Monochromacy



Original Color

60.1342, 36.4199, 77.9891



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

41.0060, 34.0371, 50.8629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.1342, 36.4199, 77.9891 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, 102, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 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, 102, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 229) }
```

Border

The CSS property to change the border of an element to XYZ 60.1342, 36.4199, 77.9891 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, 102, 229) }
```


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

```
.border{ border-color:rgb(255, 102, 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, 102, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 60.1342, 36.4199, 77.9891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 229) }
```

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

```
.background{ background-color: rgb(255,  
102, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor