

Converting Colors

XYZ(60.2978, 36.4853, 78.8507)

Have a look what the booklet for
XYZ(60.2978, 36.4853, 78.8507)
contains.

XYZ(60.2743, 36.4759, 78.7267)	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(60.2743, 36.4759,
78.7267)**

Conversions

Conversions Part 1

Format	Color
Hex	FF66E6
RGB	255, 102, 230
RGB Percent	100%, 40%, 90%
CMY	0.0000, 0.6000, 0.0980
CMYK	0.00, 0.60, 0.10, 0.00
HSL	310°, 100%, 70%
HSV	310°, 60%, 100%
XYZ	60.2743, 36.4759, 78.7267
YIQ	162.3390, 50.1000, 72.2440

Conversions

Conversions Part 2

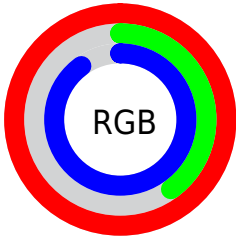
Format	Color
R _{YB}	255, 102, 230
Decimal	16738022
CIE _{Lab}	66.88, 72.32, -36.61
CIE _{LCh}	67, 81.058, 333.152
Yxy	36.4759, 0.3435, 0.2079
Android (android.graphics.Color)	4294928102 (0xFFFF66E6)
YUV	162.3390, 33.3569, 81.2637
Hunter-Lab	60.3953, 72.4507, -35.0092

Details

The XYZ color **60.2743, 36.4759, 78.7267** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **45.0715, 75.8777, 32.3513**, and the grayscale version is **34.3349, 36.1230, 39.3380**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **30.7765, 15.9198, 41.4951** is the 20% darker color. If you saturate the color by 10%, you get **57.5642, 31.9810, 74.9710**, and if you desaturate by 10%, it is **63.7704, 42.5203, 82.8142**.

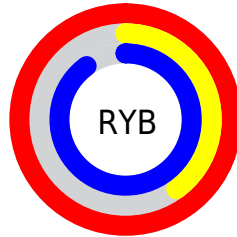
Distribution



Red (100%)

Green (40%)

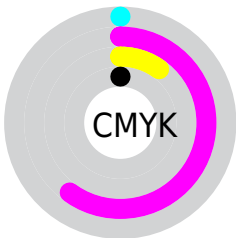
Blue (90%)



Red (100%)

Yellow (40%)

Blue (90%)

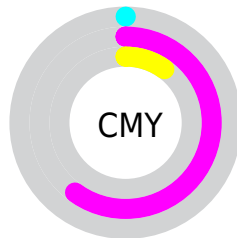


Cyan (0%)

Magenta (60%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.2743, 36.4759, 78.7267 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 60.2743, 36.4759, 78.7267 by changing the saturation by 10% instead.


 60.2743, 36.4759,
78.7267


 60.2743, 36.4759,
78.7267

415.4267,
331.0359, 510.2245


 43.8901, 24.8020,
58.1511

 104.3316, 69.7660,
133.3692


 30.7816, 15.9296,
41.5147


 132.7353, 92.1509,
168.2733

 20.5836, 9.4743,
28.3987


 165.8762,
118.8750, 208.7905

 12.9307, 5.0518,
18.3848

 204.1198,
150.3225, 255.3396

 7.4575, 2.2777,
11.0543

247.8312,
186.8780, 308.3390

 3.7987, 0.7619,
5.9887

297.3759,

 1.5889, 0.0000,

228.9258, 368.2072

2.7696

353.1193,
276.8503, 435.3629

■ 0.3852, 0.0000,
0.9782

■ 0.0000, 0.0000,
0.0000

■ 60.2743, 36.4759,
78.7267

■ 60.2743, 36.4759,
78.7267

■ 57.5642, 31.9810,
74.9710

■ 63.7704, 42.5203,
82.8142

■ 55.5644, 28.8844,
71.5203


■ 68.1142, 50.2376,
87.2534

■ 54.1882, 27.0130,
68.3454

■ 73.3639, 59.7441,
92.0645

■ 53.2927, 26.0812,
65.3984

■ 79.5719, 71.1442,
97.2654

 53.2925, 26.0810,
65.3975

 86.7864, 84.5345,
102.8727

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.



49.2421, 36.4759, 127.4263



60.2743, 36.4759, 78.7267



63.9739, 36.4759, 36.1147

Triad

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



60.2743, 36.4759, 78.7267



33.3878, 36.4759, 3.2381



18.4272, 36.4759, 89.3263

Complementary

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



60.2743, 36.4759, 78.7267



45.0715, 75.8777, 32.3513

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.



16.0412, 36.4759, 43.5492



60.2743, 36.4759, 78.7267



23.2990, 36.4759, 5.7501

Square

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



60.2743, 36.4759, 78.7267



46.4566, 36.4759, 4.7852



17.5889, 36.4759, 16.3444



25.0662, 36.4759, 135.6821

Rectangle

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



60.2743, 36.4759, 78.7267



61.2092, 36.4759, 18.6292



17.5889, 36.4759, 16.3444



17.1829, 36.4759, 72.6554

Sweetspot

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



60.2751, 36.4774, 78.7274



80.9308, 73.6563, 98.3522



31.2532, 21.0809, 97.0295



16.9016, 14.9877, 20.7136



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.



60.2751, 36.4774, 78.7274



57.1093, 31.2537, 74.2563



51.9552, 33.1495, 34.9154



18.6577, 18.2464, 22.0804



27.8939, 13.6468, 34.4213



2.7484, 1.3417, 3.5226

Inverse Universe

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



60.2751, 36.4774, 78.7274



57.1093, 31.2537, 74.2563



51.8363, 78.5836, 67.9740



18.6577, 18.2464, 22.0804



27.8939, 13.6468, 34.4213



2.7484, 1.3417, 3.5226

Previews

White Background



This preview shows how the XYZ color 60.2743, 36.4759, 78.7267 looks on a white background.

Color Contrast Check

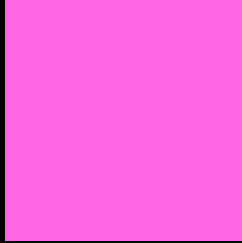
Large Text (above 18pt) WCAG AA × Fail

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 60.2743, 36.4759, 78.7267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

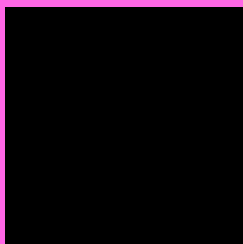
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.2743, 36.4759, 78.7267

Background



This preview shows how black text looks on a background with the XYZ color 60.2743, 36.4759, 78.7267.



This preview shows how white text looks on a background with the XYZ color 60.2743, 36.4759,

78.7267.

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

60.2743, 36.4759, 78.7267

Protanopia

39.3732, 36.8736, 99.6499

Deuteranopia

37.5172, 36.7680, 72.8297



Tritanopia

49.6895, 36.3688, 27.6935

Trichromacy



Original Color

60.2743, 36.4759, 78.7267



Protanomaly

43.3227, 34.1177, 91.4908



Deuteranomaly

43.0823, 34.5771, 74.9244



Tritanomaly

52.8011, 35.9989, 42.1958

Monochromacy



Original Color

60.2743, 36.4759, 78.7267



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

41.1127, 34.0798, 51.4249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.2743, 36.4759, 78.7267 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 230) }
```

Border

The CSS property to change the border of an element to XYZ 60.2743, 36.4759, 78.7267 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, 230) }
```


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

```
.border{ border-color:rgb(255, 102, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 60.2743, 36.4759, 78.7267 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, 230) }
```

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

```
.background{ background-color: rgb(255,  
102, 230) }
```

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