

Converting Colors

XYZ(59.1239, 34.3993, 77.6523)

Have a look what the booklet for
XYZ(59.1239, 34.3993, 77.6523)
contains.

XYZ(59.1239, 34.3993, 77.6523)	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(59.1239, 34.3993,
77.6523)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5BE5
RGB	255, 91, 229
RGB Percent	100%, 36%, 90%
CMY	0.0000, 0.6431, 0.1020
CMYK	0.00, 0.64, 0.10, 0.00
HSL	310°, 100%, 68%
HSV	310°, 64%, 100%
XYZ	59.1239, 34.3993, 77.6523
YIQ	155.7680, 53.4460, 77.6860

Conversions

Conversions Part 2

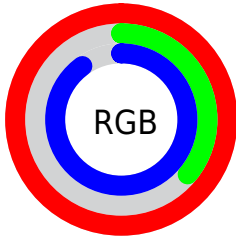
Format	Color
R _Y B	255, 91, 229
Decimal	16735205
CIE Lab	65.28, 76.48, -38.55
CIE LCh	65, 85.650, 333.249
Yxy	34.3993, 0.3454, 0.2010
Android (android.graphics.Color)	4294925285 (0xFFFF5BE5)
YUV	155.7680, 36.1034, 87.0265
Hunter-Lab	58.6509, 77.3004, -37.4428

Details

The XYZ color **59.1239, 34.3993, 77.6523** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **43.2865, 75.0291, 29.0326**, and the grayscale version is **31.3259, 32.9573, 35.8905**.

A 20% lighter version of the original color is **70.3566, 50.6132, 100.6689**, and **30.1353, 14.7929, 40.8022** is the 20% darker color. If you saturate the color by 10%, you get **56.7445, 30.5332, 74.1067**, and if you desaturate by 10%, it is **62.2583, 39.7540, 81.5152**.

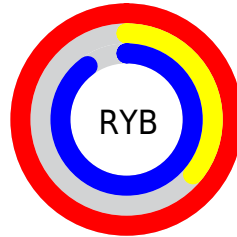
Distribution



Red (100%)

Green (36%)

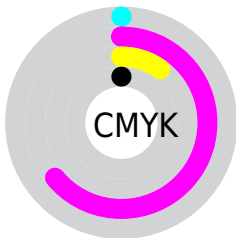
Blue (90%)



Red (100%)

Yellow (36%)

Blue (90%)

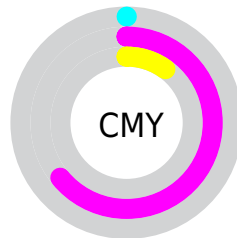


Cyan (0%)

Magenta (64%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.1239, 34.3993, 77.6523 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 59.1239, 34.3993, 77.6523 by changing the saturation by 10% instead.


 59.1239, 34.3993,
77.6523

 59.1239, 34.3993,
77.6523


411.2476,
321.9089, 506.4818


 42.9596, 23.2005,
57.2736

 102.6713, 66.5541,
131.8413


 30.0478, 14.7416,
40.8142


 130.7852, 88.2790,
166.4887

 20.0231, 8.6383,
27.8553


 163.6129,
114.2813, 206.7294

 12.5202, 4.5060,
17.9785

 201.5199,
144.9455, 252.9820

 7.1737, 1.9604,
10.7653

244.8715,
180.6559, 305.6650

 3.6183, 0.5843,
5.7971

294.0331,

 1.4885, 0.0000,

221.7971, 365.1969

2.6553

349.3700,
268.7532, 431.9963

■ 0.3180, 0.0000,
0.9208

■ 0.0000, 0.0000,
0.0000

■ 59.1239, 34.3993,
77.6523

■ 59.1239, 34.3993,
77.6523

■ 56.7445, 30.5332,
74.1067

■ 62.2583, 39.7540,
81.5152

■ 55.0389, 27.9941,
70.8498


■ 66.2129, 46.7279,
85.7164


■ 53.9117, 26.5910,
67.8496

■ 71.0485, 55.4426,
90.2770

■ 53.4508, 26.1443,
66.2312

■ 76.8195, 66.0067,
95.2155

 83.5758, 78.5198,
100.5490

 91.3638, 93.0746,
106.2934

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.



47.6842, 34.3993, 129.2488



59.1239, 34.3993, 77.6523



62.9563, 34.3993, 33.6964

Triad

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



59.1239, 34.3993, 77.6523



31.3553, 34.3993, 2.2181



16.4618, 34.3993, 89.1361

Complementary

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



59.1239, 34.3993, 77.6523



43.2865, 75.0291, 29.0326

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.



14.1223, 34.3993, 41.4832



59.1239, 34.3993, 77.6523



21.2315, 34.3993, 4.3758

Square

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



59.1239, 34.3993, 77.6523



44.7208, 34.3993, 3.5100



15.6167, 34.3993, 14.2667



23.0458, 34.3993, 138.3413

Rectangle

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



59.1239, 34.3993, 77.6523



60.0481, 34.3993, 16.3607



15.6167, 34.3993, 14.2667



15.2412, 34.3993, 71.6292

Sweetspot

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



59.1247, 34.4008, 77.6530



80.2817, 72.4030, 97.9976



28.9421, 18.3897, 96.6319



16.7769, 14.7450, 20.6518



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.



59.1247, 34.4008, 77.6530



56.2230, 29.7269, 73.2035



50.3592, 30.8946, 31.4945



18.6616, 18.2480, 22.1014



27.9756, 13.6795, 34.8513



2.7556, 1.3446, 3.5605

Inverse Universe

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



59.1247, 34.4008, 77.6530



56.2230, 29.7269, 73.2035



50.2225, 77.8035, 65.5568



18.6616, 18.2480, 22.1014



27.9756, 13.6795, 34.8513



2.7556, 1.3446, 3.5605

Previews

White Background



This preview shows how the XYZ color 59.1239, 34.3993, 77.6523 looks on a white background.

Color Contrast Check

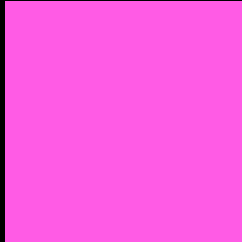
Large Text (above 18pt) WCAG AA × Fail

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 59.1239, 34.3993, 77.6523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

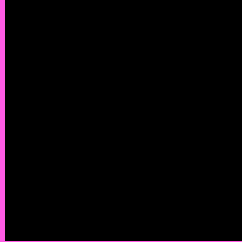
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.1239, 34.3993, 77.6523

Background



This preview shows how black text looks on a background with the XYZ color 59.1239, 34.3993, 77.6523.



This preview shows how white text looks on a background with the XYZ color 59.1239, 34.3993,

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

59.1239, 34.3993, 77.6523

Protanopia

37.5462, 34.9189, 99.3689

Deuteranopia

35.4906, 34.7174, 71.8484



Tritanopia

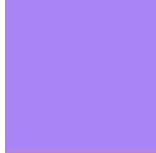
48.2689, 34.4039, 24.5186

Trichromacy



Original Color

59.1239, 34.3993, 77.6523



Protanomaly

41.0343, 31.4812, 91.1025



Deuteranomaly

40.7629, 31.9265, 73.8260



Tritanomaly

51.3271, 33.7936, 39.4149

Monochromacy



Original Color

59.1239, 34.3993, 77.6523



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

38.5367, 31.1279, 48.7769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1239, 34.3993, 77.6523 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, 91, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 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, 91, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 229) }
```

Border

The CSS property to change the border of an element to XYZ 59.1239, 34.3993, 77.6523 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, 91, 229) }
```


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

```
.border{ border-color:rgb(255, 91, 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, 91, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1239, 34.3993, 77.6523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 229) }
```

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

```
.background{ background-color: rgb(255, 91,  
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