

Converting Colors

XYZ(59.4308, 30.0933, 92.9218)

Have a look what the booklet for
XYZ(59.4308, 30.0933, 92.9218)
contains.

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Color

**XYZ(59.4723, 30.1161,
93.1209)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2EFA
RGB	255, 46, 250
RGB Percent	100%, 18%, 98%
CMY	0.0000, 0.8196, 0.0196
CMYK	0.00, 0.82, 0.02, 0.00
HSL	301°, 100%, 59%
HSV	301°, 82%, 100%
XYZ	59.4723, 30.1161, 93.1209
YIQ	131.7470, 59.0800, 107.7520

Conversions

Conversions Part 2

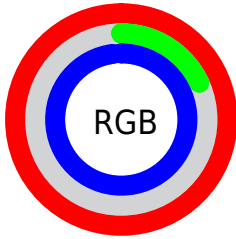
Format	Color
R _Y B	255, 46, 250
Decimal	16723706
CIE Lab	61.75, 92.51, -55.78
CIE LCh	62, 108.026, 328.910
Yxy	30.1161, 0.3255, 0.1648
Android (android.graphics.Color)	4294913786 (0xFFFF2EFA)
YUV	131.7470, 58.2987, 108.0929
Hunter-Lab	54.8781, 97.4065, -62.1925

Details

The XYZ color **59.4723, 30.1161, 93.1209** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.4852, 72.3403, 15.1209**, and the grayscale version is **21.6260, 22.7523, 24.7772**.

A 20% lighter version of the original color is **66.0065, 41.9129, 99.2188**, and **31.8738, 15.3196, 51.7291** is the 20% darker color. If you saturate the color by 10%, you get **58.6592, 28.6426, 92.3790**, and if you desaturate by 10%, it is **60.8773, 32.7726, 94.0623**.

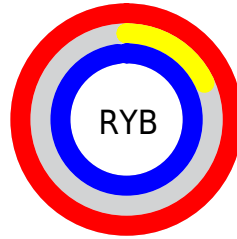
Distribution



Red (100%)

Green (18%)

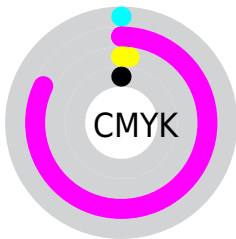
Blue (98%)



Red (100%)

Yellow (18%)

Blue (98%)

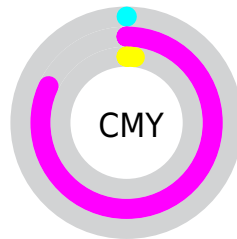


Cyan (0%)

Magenta (82%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4723, 30.1161, 93.1209 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 59.4723, 30.1161, 93.1209 by changing the saturation by 10% instead.


 59.4723, 30.1161,
93.1209

 59.4723, 30.1161,
93.1209

412.5159,
302.4452, 558.9615


 43.2413, 19.9267,
69.9838

 103.1745, 59.8457,
153.6391

 30.2698, 12.3418,
51.0366


 131.3764, 80.1548,
191.8573


 20.1926, 6.9769,
35.8608


 164.2992,
104.6059, 235.9396

 12.6442, 3.4477,
24.0379

 202.3085,
133.5833, 286.3046

 7.2593, 1.3697,
15.1492

 245.7694,
167.4716, 343.3707

 3.6725, 0.1942,
8.7764

295.0474,

 1.5186, 0.0000,

206.6551, 407.5565

4.5008

350.5078,
251.5182, 479.2806

■ 0.3384, 0.0000,
1.9039

■ 0.0000, 0.0000,
0.4952

■ 59.4723, 30.1161,
93.1209

■ 59.4723, 30.1161,
93.1209

■ 58.6592, 28.6426,
92.3790

■ 60.8773, 32.7726,
94.0623

■ 58.3232, 28.0933,
91.8891

■ 62.9633, 36.7909,
95.2320

■ 65.8066, 42.3231,
96.6555

■ 69.4727, 49.5004,
98.3549

74.0200, 58.4396,
100.3495

79.5017, 69.2472,
102.6571

85.9667, 82.0210,
105.2941

93.4607, 96.8520,
108.2755

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.



44.1989, 30.1161, 162.6412



59.4723, 30.1161, 93.1209



66.1750, 30.1161, 34.3224

Triad

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



59.4723, 30.1161, 93.1209



29.1542, 30.1161, 0.0000



10.5883, 30.1161, 87.9810

Complementary

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



59.4723, 30.1161, 93.1209



37.4852, 72.3403, 15.1209

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.



8.9108, 30.1161, 31.3064



59.4723, 30.1161, 93.1209



17.2202, 30.1161, 0.8326

Square

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



59.4723, 30.1161, 93.1209



45.4284, 30.1161, 0.9763



10.8619, 30.1161, 6.5277



16.5784, 30.1161, 158.2950

Rectangle

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



59.4723, 30.1161, 93.1209



63.6058, 30.1161, 13.2260



10.8619, 30.1161, 6.5277



9.6123, 30.1161, 65.7747

Sweetspot

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



59.4729, 30.1172, 93.1215



77.7308, 65.7529, 101.9204



20.3182, 9.8405, 95.4362



16.2240, 13.2585, 21.6412



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.



59.4729, 30.1172, 93.1215



58.3976, 28.2116, 92.0077



47.4859, 25.3224, 29.9985



18.7728, 18.2924, 22.6867



30.4836, 14.6827, 48.0587



2.9738, 1.4319, 4.7095

Inverse Universe

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



59.4729, 30.1172, 93.1215



58.3976, 28.2116, 92.0077



42.7192, 74.4339, 42.6831



18.7728, 18.2924, 22.6867



30.4836, 14.6827, 48.0587



2.9738, 1.4319, 4.7095

Previews

White Background



This preview shows how the XYZ color 59.4723, 30.1161, 93.1209 looks on a white background.

Color Contrast Check

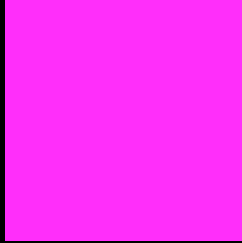
Large Text (above 18pt) WCAG AA × Fail

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 59.4723, 30.1161, 93.1209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

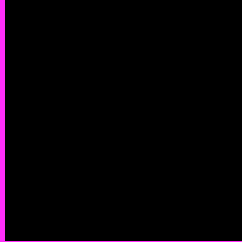
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4723, 30.1161, 93.1209

Background



This preview shows how black text looks on a background with the XYZ color 59.4723, 30.1161, 93.1209.



This preview shows how white text looks on a background with the XYZ color 59.4723, 30.1161,

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

59.4723, 30.1161, 93.1209

Protanopia

33.5844, 30.4871, 98.7222

Deuteranopia

31.2546, 30.3177, 83.5615



Tritanopia

43.9114, 29.7983, 18.7665

Trichromacy



Original Color

59.4723, 30.1161, 93.1209



Protanomaly

37.0159, 25.3116, 95.8632



Deuteranomaly

35.5760, 25.1073, 86.1902



Tritanomaly

47.3481, 28.3618, 37.1613

Monochromacy



Original Color

59.4723, 30.1161, 93.1209



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

30.5230, 21.7496, 43.1468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4723, 30.1161, 93.1209 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, 46, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 250)  
}
```

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, 46, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 250) }
```

Border

The CSS property to change the border of an element to XYZ 59.4723, 30.1161, 93.1209 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, 46, 250) }
```


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

```
.border{ border-color:rgb(255, 46, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 46, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4723, 30.1161, 93.1209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 250) }
```

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

```
.background{ background-color: rgb(255, 46,  
250) }
```

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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