

Converting Colors

XYZ(59.3923, 30.4150, 91.6791)

Have a look what the booklet for
XYZ(59.3923, 30.4150, 91.6791)
contains.

XYZ(59.3671, 30.4050, 91.5467)	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(59.3671, 30.4050,
91.5467)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33F8
RGB	255, 51, 248
RGB Percent	100%, 20%, 97%
CMY	0.0000, 0.7999, 0.0274
CMYK	0.00, 0.80, 0.03, 0.00
HSL	302°, 100%, 60%
HSV	302°, 80%, 100%
XYZ	59.3671, 30.4050, 91.5467
YIQ	134.4540, 58.3470, 104.5150

Conversions

Conversions Part 2

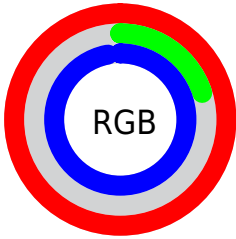
Format	Color
R _Y B	255, 51, 248
Decimal	16724984
CIE Lab	62.00, 91.19, -54.28
CIE LCh	62, 106.121, 329.237
Yxy	30.4050, 0.3274, 0.1677
Android (android.graphics.Color)	4294915064 (0xFFFF33F8)
YUV	134.4540, 55.9782, 105.7188
Hunter-Lab	55.1407, 95.6852, -59.8370

Details

The XYZ color **59.3671, 30.4050, 91.5467** 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 **37.8900, 72.5298, 16.0073**, and the grayscale version is **22.6149, 23.7926, 25.9101**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **31.6521, 15.2309, 50.5618** is the 20% darker color. If you saturate the color by 10%, you get **58.4066, 28.7006, 90.5586**, and if you desaturate by 10%, it is **60.9394, 33.3317, 92.7425**.

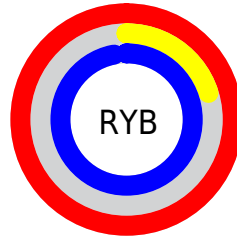
Distribution



Red (100%)

Green (20%)

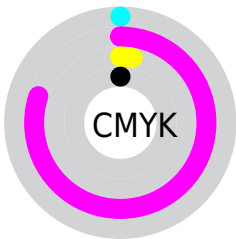
Blue (97%)



Red (100%)

Yellow (20%)

Blue (97%)

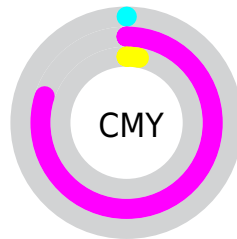


Cyan (0%)

Magenta (80%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3671, 30.4050, 91.5467 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 59.3671, 30.4050, 91.5467 by changing the saturation by 10% instead.

 59.3671, 30.4050,
91.5467


 59.3671, 30.4050,
91.5467


412.1332,
303.7877, 553.7489

 43.1562, 20.1462,
68.6833

 103.0226, 60.3021,
151.4392


 30.2028, 12.5014,
49.9836


 131.1979, 80.7091,
189.3054


 20.1414, 7.0861,
35.0293


 164.0921,
105.2677, 233.0095

 12.6067, 3.5160,
23.4017

 202.0705,
134.3623, 282.9702

 7.2334, 1.4067,
14.6823

 245.4984,
168.3772, 339.6059

 3.6561, 0.2216,
8.4526

294.7413,

 1.5095, 0.0000,

207.6968, 403.3352

4.2940

350.1644,
252.7055, 474.5767

■ 0.3323, 0.0000,
1.7880

■ 0.0000, 0.0000,
0.4200

■ 59.3671, 30.4050,
91.5467

■ 59.3671, 30.4050,
91.5467

■ 58.4066, 28.7006,
90.5586

■ 60.9394, 33.3317,
92.7425

■ 57.9132, 27.9295,
89.7291

■ 63.2089, 37.6518,
94.1735

■ 57.9130, 27.9292,
89.7286

■ 66.2494, 43.5131,
95.8647

■ 70.1250, 51.0435,
97.8373

74.8930, 60.3576,
100.1106

80.6056, 71.5599,
102.7019

87.3111, 84.7469,
105.6273

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.



44.4308, 30.4050, 159.3877



59.3671, 30.4050, 91.5467



65.8052, 30.4050, 34.1607

Triad

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



59.3671, 30.4050, 91.5467



29.2650, 30.4050, 0.0551



10.9935, 30.4050, 88.0309

Complementary

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



59.3671, 30.4050, 91.5467



37.8900, 72.5298, 16.0073

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.



9.2641, 30.4050, 32.0730



59.3671, 30.4050, 91.5467



17.4882, 30.4050, 1.0001

Square

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



59.3671, 30.4050, 91.5467



45.2770, 30.4050, 1.1048



11.1859, 30.4050, 7.0226



17.0404, 30.4050, 156.4301

Rectangle

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



59.3671, 30.4050, 91.5467



63.2000, 30.4050, 13.4162



11.1859, 30.4050, 7.0226



9.9972, 30.4050, 66.2215

Sweetspot

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



59.3678, 30.4062, 91.5473



78.2010, 66.8401, 101.6248



20.9685, 10.4828, 95.5260



16.3085, 13.4641, 21.5563



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.



59.3678, 30.4062, 91.5473



58.0775, 28.1722, 90.0492



47.6288, 25.7106, 29.7310



18.7642, 18.2890, 22.6412



30.2728, 14.5984, 46.9484



2.9557, 1.4246, 4.6139

Inverse Universe

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



59.3678, 30.4062, 91.5473



58.0775, 28.1722, 90.0492



43.4541, 74.7554, 45.3079



18.7642, 18.2890, 22.6412



30.2728, 14.5984, 46.9484



2.9557, 1.4246, 4.6139

Previews

White Background



This preview shows how the XYZ color 59.3671, 30.4050, 91.5467 looks on a white background.

Color Contrast Check

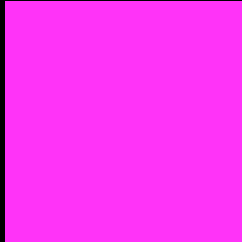
Large Text (above 18pt) WCAG AA × Fail

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 59.3671, 30.4050, 91.5467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

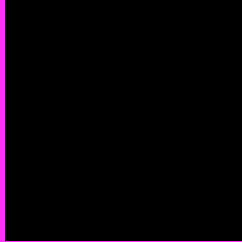
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.3671, 30.4050, 91.5467

Background



This preview shows how black text looks on a background with the XYZ color 59.3671, 30.4050, 91.5467.



This preview shows how white text looks on a background with the XYZ color 59.3671, 30.4050,

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

59.3671, 30.4050, 91.5467

Protanopia

33.8505, 30.8541, 98.7791

Deuteranopia

31.5833, 30.7565, 82.1139



Tritanopia

44.4103, 30.2011, 19.1115

Trichromacy



Original Color

59.3671, 30.4050, 91.5467



Protanomaly

37.2695, 25.7847, 95.1081



Deuteranomaly

36.0945, 25.7402, 84.7273



Tritanomaly

47.8554, 28.8570, 37.2301

Monochromacy



Original Color

59.3671, 30.4050, 91.5467



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

31.0483, 22.4608, 43.2564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3671, 30.4050, 91.5467 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, 51, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 248)  
}
```

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, 51, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 248) }
```

Border

The CSS property to change the border of an element to XYZ 59.3671, 30.4050, 91.5467 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, 51, 248) }
```


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

```
.border{ border-color:rgb(255, 51, 248) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3671, 30.4050, 91.5467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 248) }
```

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

```
.background{ background-color: rgb(255, 51,  
248) }
```

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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