

Converting Colors

XYZ(58.6138, 29.2044, 90.3518)

Have a look what the booklet for
XYZ(58.6138, 29.2044, 90.3518)
contains.

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Color

**XYZ(58.6594, 29.2372,
90.5473)**

Conversions

Conversions Part 1

Format	Color
Hex	FF24F7
RGB	255, 36, 247
RGB Percent	100%, 14%, 97%
CMY	0.0000, 0.8588, 0.0314
CMYK	0.00, 0.86, 0.03, 0.00
HSL	302°, 100%, 57%
HSV	302°, 86%, 100%
XYZ	58.6594, 29.2372, 90.5473
YIQ	125.5350, 62.7930, 112.0490

Conversions

Conversions Part 2

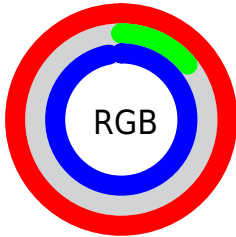
Format	Color
R _Y B	255, 36, 247
Decimal	16721143
CIE _{Lab}	60.99, 93.84, -55.33
CIE _{LCh}	61, 108.943, 329.475
Yxy	29.2372, 0.3287, 0.1638
Android (android.graphics.Color)	4294911223 (0xFFFF24F7)
YUV	125.5350, 59.8822, 113.5408
Hunter-Lab	54.0714, 99.0207, -61.4362

Details

The XYZ color **58.6594, 29.2372, 90.5473** 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 **36.9432, 72.0774, 14.3499**, and the grayscale version is **19.4661, 20.4799, 22.3026**.

A 20% lighter version of the original color is **65.4207, 40.7415, 99.0236**, and **31.2866, 15.0552, 49.9721** is the 20% darker color. If you saturate the color by 10%, you get **57.9993, 28.1465, 89.6201**, and if you desaturate by 10%, it is **59.8693, 31.4262, 91.6620**.

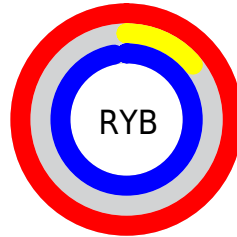
Distribution



Red (100%)

Green (14%)

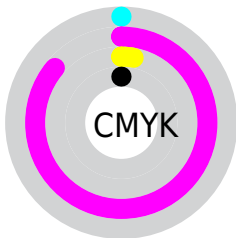
Blue (97%)



Red (100%)

Yellow (14%)

Blue (97%)

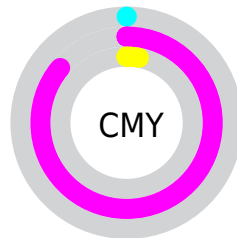


Cyan (0%)

Magenta (86%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6594, 29.2372, 90.5473 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 58.6594, 29.2372, 90.5473 by changing the saturation by 10% instead.


 58.6594, 29.2372,
90.5473


 58.6594, 29.2372,
90.5473

409.5529,
298.3325, 550.4256


 42.5843, 19.2603,
67.8584


 101.9999, 58.4537,
150.0405


 29.7522, 11.8585,
49.3166


 129.9961, 78.4622,
187.6820


 19.7977, 6.6474,
34.5033


 162.6967,
102.5833, 231.1446

 12.3555, 3.2426,
23.0000

 200.4670,
131.2015, 280.8471

 7.0602, 1.2597,
14.3882

 243.6724,
164.7011, 337.2078

 3.5464, 0.1096,
8.2494

292.6783,

 1.4489, 0.0000,

203.4665, 400.6455

4.1649

347.8500,
247.8822, 471.5786

■ 0.2907, 0.0000,
1.7162

■ 0.0000, 0.0000,
0.3718

■ 58.6594, 29.2372,
90.5473

■ 58.6594, 29.2372,
90.5473

■ 57.9993, 28.1465,
89.6201


■ 59.8693, 31.4262,
91.6620


■ 57.8262, 27.8945,
89.2716


■ 61.7273, 34.9104,
92.9959


■ 64.3147, 39.8524,
94.5766

■ 67.7006, 46.3901,
96.4269

 71.9460, 54.6455,
98.5673

 77.1059, 64.7289,
101.0161

 83.2308, 76.7411,
103.7902

 90.3675, 90.7759,
106.9051

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.



43.5476, 29.2372, 160.4366



58.6594, 29.2372, 90.5473



65.1232, 29.2372, 32.5586

Triad

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



58.6594, 29.2372, 90.5473



28.0408, 29.2372, 0.0000



10.1237, 29.2372, 88.0708

Complementary

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



58.6594, 29.2372, 90.5473



36.9432, 72.0774, 14.3499

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.



8.4228, 29.2372, 31.1209



58.6594, 29.2372, 90.5473



16.3809, 29.2372, 0.7210

Square

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



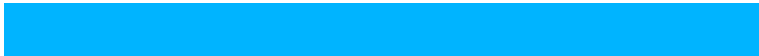
58.6594, 29.2372, 90.5473



44.1368, 29.2372, 0.7908



10.2522, 29.2372, 6.3127



16.0772, 29.2372, 158.3329

Rectangle

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



58.6594, 29.2372, 90.5473



62.4016, 29.2372, 12.2010



10.2522, 29.2372, 6.3127



9.1486, 29.2372, 65.7676

Sweetspot

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



58.6600, 29.2383, 90.5478



77.0356, 64.5912, 100.9836



19.6911, 9.0034, 95.3077



16.0842, 13.0337, 21.4257



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.



58.6600, 29.2383, 90.5478



57.8262, 27.8945, 89.2716



46.4741, 24.3639, 26.3777



18.7623, 18.2882, 22.6315



30.2282, 14.5806, 46.7135



2.9518, 1.4231, 4.5937

Inverse Universe

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



58.6600, 29.2383, 90.5478



57.8262, 27.8945, 89.2716



42.2222, 74.1890, 42.1488



18.7623, 18.2882, 22.6315



30.2282, 14.5806, 46.7135



2.9518, 1.4231, 4.5937

Previews

White Background



This preview shows how the XYZ color 58.6594, 29.2372, 90.5473 looks on a white background.

Color Contrast Check

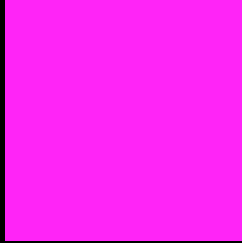
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.6594, 29.2372, 90.5473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

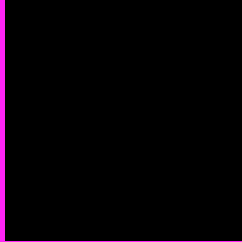
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 58.6594, 29.2372, 90.5473

Background



This preview shows how black text looks on a background with the XYZ color 58.6594, 29.2372, 90.5473.



This preview shows how white text looks on a background with the XYZ color 58.6594, 29.2372,

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

58.6594, 29.2372, 90.5473

Protanopia

32.7426, 29.5994, 98.5953

Deuteranopia

30.3972, 29.4600, 81.1750



Tritanopia

43.2956, 28.9153, 17.4866

Trichromacy



Original Color

58.6594, 29.2372, 90.5473



Protanomaly

35.7591, 23.9037, 94.8246



Deuteranomaly

34.4006, 23.7564, 83.6612



Tritanomaly

46.5681, 27.2234, 35.6011

Monochromacy



Original Color

58.6594, 29.2372, 90.5473



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

28.4036, 19.6152, 40.3193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6594, 29.2372, 90.5473 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, 36, 247)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 247)  
}
```

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, 36, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 247) }
```

Border

The CSS property to change the border of an element to XYZ 58.6594, 29.2372, 90.5473 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, 36, 247) }
```


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

```
.border{ border-color:rgb(255, 36, 247) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 247);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6594, 29.2372, 90.5473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 247) }
```

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

```
.background{ background-color: rgb(255, 36,  
247) }
```

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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