

Converting Colors

XYZ(59.7053, 29.3105, 97.1184)

Have a look what the booklet for
XYZ(59.7053, 29.3105, 97.1184)
contains.

XYZ(59.7053, 29.3105, 97.1184)	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(59.7053, 29.3105,
97.1184)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1CFF
RGB	255, 28, 255
RGB Percent	100%, 11%, 100%
CMY	0.0000, 0.8901, 0.0000
CMYK	0.00, 0.89, 0.00, 0.00
HSL	300°, 100%, 55%
HSV	300°, 89%, 100%
XYZ	59.7053, 29.3105, 97.1184
YIQ	121.7510, 62.4250, 118.7210

Conversions

Conversions Part 2

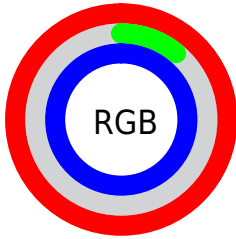
Format	Color
R _Y B	255, 28, 255
Decimal	16719103
CIE Lab	61.05, 96.08, -59.67
CIE LCh	61, 113.102, 328.159
Yxy	29.3105, 0.3208, 0.1575
Android (android.graphics.Color)	4294909183 (0xFFFF1CFF)
YUV	121.7510, 65.6918, 116.8594
Hunter-Lab	54.1392, 102.1083, -68.4609

Details

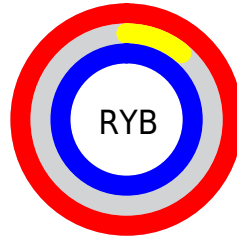
The XYZ color **59.7053, 29.3105, 97.1184** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **36.4493, 71.8511, 13.0475**, and the grayscale version is **18.2002, 19.1481, 20.8523**.

A 20% lighter version of the original color is **65.0842, 40.0683, 98.9114**, and **32.0704, 15.3687, 54.0995** is the 20% darker color. If you saturate the color by 10%, you get **59.3174, 28.5347, 96.9891**, and if you desaturate by 10%, it is **60.5870, 31.0739, 97.4123**.

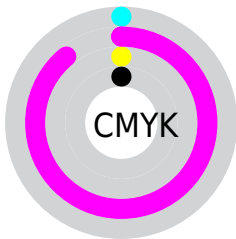
Distribution



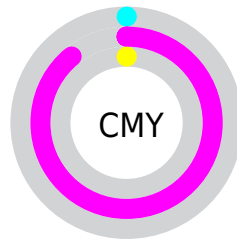
- Red (100%)
- Green (11%)
- Blue (100%)



- Red (100%)
- Yellow (11%)
- Blue (100%)



- Cyan (0%)
- Magenta (89%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (89%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7053, 29.3105, 97.1184 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 59.7053, 29.3105, 97.1184 by changing the saturation by 10% instead.


 59.7053, 29.3105,
97.1184


 59.7053, 29.3105,
97.1184


413.3628,
298.6772, 572.0815

 43.4297, 19.3158,
73.2928

 103.5108, 58.5700,
159.2087


 30.4184, 11.8987,
53.7221


 131.7715, 78.6037,
198.3104


 20.3060, 6.6747,
37.9879


 164.7578,
102.7525, 243.3413

 12.7272, 3.2595,
25.6715

 202.8352,
131.4008, 294.7199

 7.3167, 1.2687,
16.3545

 246.3691,
164.9331, 352.8646

 3.7090, 0.1168,
9.6183

295.7248,

 1.5389, 0.0000,

203.7336, 418.1941

5.0443

351.2675,
248.1868, 491.1269

■ 0.3521, 0.0000,
2.2141

■ 0.0000, 0.0000,
0.6825

■ 59.7053, 29.3105,
97.1184

■ 59.7053, 29.3105,
97.1184

■ 59.3174, 28.5347,
96.9891

■ 60.5870, 31.0739,
97.4123

■ 59.2900, 28.4800,
96.9800

■ 62.0875, 34.0749,
97.9125

■ 64.2929, 38.4857,
98.6476

■ 67.2754, 44.4507,
99.6418

71.0982, 52.0963,
100.9161

75.8180, 61.5361,
102.4893

81.4868, 72.8736,
104.3789

88.1524, 86.2048,
106.6008

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.



43.5642, 29.3105, 171.2059



59.7053, 29.3105, 97.1184



67.0847, 29.3105, 34.6042

Triad

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



59.7053, 29.3105, 97.1184



28.7829, 29.3105, 0.0000



9.5463, 29.3105, 87.9045

Complementary

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



59.7053, 29.3105, 97.1184



36.4493, 71.8511, 13.0475

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.



7.9963, 29.3105, 29.3672



59.7053, 29.3105, 97.1184



16.4703, 29.3105, 0.3881

Square

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



59.7053, 29.3105, 97.1184



45.7321, 29.3105, 0.6421



10.0009, 29.3105, 5.3351



15.3801, 29.3105, 163.3083

Rectangle

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



59.7053, 29.3105, 97.1184



64.5958, 29.3105, 12.6550



10.0009, 29.3105, 5.3351



8.6224, 29.3105, 64.6537

Sweetspot

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



59.7057, 29.3115, 97.1186



76.8805, 63.6610, 102.8435



18.9452, 8.2986, 95.2110



16.0745, 12.8638, 21.8857



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.



59.7057, 29.3115, 97.1186



59.2900, 28.4800, 96.9800



46.5015, 24.0298, 27.5861



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



59.7057, 29.3115, 97.1186



59.2900, 28.4800, 96.9800



41.0852, 73.7055, 37.4600



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 59.7053, 29.3105, 97.1184 looks on a white background.

Color Contrast Check

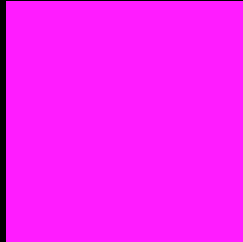
Large Text (above 18pt) WCAG AA ✓ Pass

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 59.7053, 29.3105, 97.1184 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 59.7053, 29.3105, 97.1184

Background



This preview shows how black text looks on a background with the XYZ color 59.7053, 29.3105, 97.1184.



This preview shows how white text looks on a background with the XYZ color 59.7053, 29.3105,

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

59.7053, 29.3105, 97.1184

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.6325, 29.6952, 86.5553



Tritanopia

43.1083, 28.9576, 17.7853

Trichromacy



Original Color

59.7053, 29.3105, 97.1184



Protanomaly

36.1278, 23.5928, 97.2575



Deuteranomaly

34.1942, 23.0725, 89.0374



Tritanomaly

46.6939, 27.0533, 36.9432

Monochromacy



Original Color

59.7053, 29.3105, 97.1184



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

27.3230, 18.4278, 40.1470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7053, 29.3105, 97.1184 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, 28, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 255)  
}
```

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, 28, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.7053, 29.3105, 97.1184 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, 28, 255) }
```


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

```
.border{ border-color:rgb(255, 28, 255) }
```

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

Here you see how a box with a 4 pixel rgb(255, 28, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7053, 29.3105, 97.1184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 28, 255) }
```

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

```
.background{ background-color: rgb(255, 28,  
255) }
```

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