

Converting Colors

XYZ(60.8715, 32.1377, 89.0397)

Have a look what the booklet for
XYZ(60.8715, 32.1377, 89.0397)
contains.

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Color

**XYZ(59.4989, 31.4076,
89.3125)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3FF5
RGB	255, 63, 245
RGB Percent	100%, 25%, 96%
CMY	0.0000, 0.7529, 0.0392
CMYK	0.00, 0.75, 0.04, 0.00
HSL	303°, 100%, 62%
HSV	303°, 75%, 100%
XYZ	59.4989, 31.4076, 89.3125
YIQ	141.1560, 56.0100, 97.3060

Conversions

Conversions Part 2

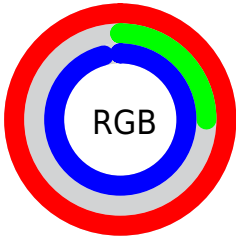
Format	Color
R _{YB}	255, 63, 245
Decimal	16728053
CIE _{Lab}	62.85, 87.85, -51.27
CIE _{LCh}	63, 101.715, 329.732
Y _{xy}	31.4076, 0.3301, 0.1743
Android (android.graphics.Color)	4294918133 (0xFFFF3FF5)
YUV	141.1560, 51.1951, 99.8412
Hunter-Lab	56.0425, 91.4346, -55.2582

Details

The XYZ color **59.4989, 31.4076, 89.3125** 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 **39.0135, 73.0583, 18.3506**, and the grayscale version is **25.1710, 26.4818, 28.8387**.

A 20% lighter version of the original color is **67.2726, 44.4453, 99.6409**, and **31.3252, 15.1002, 48.8406** is the 20% darker color. If you saturate the color by 10%, you get **58.1970, 29.1269, 87.8821**, and if you desaturate by 10%, it is **61.4569, 34.9977, 90.9695**.

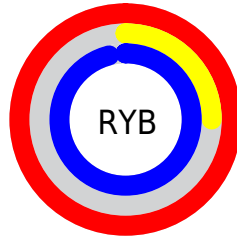
Distribution



Red (100%)

Green (25%)

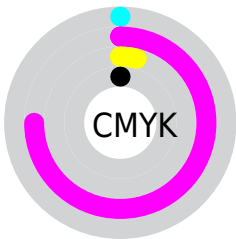
Blue (96%)



Red (100%)

Yellow (25%)

Blue (96%)

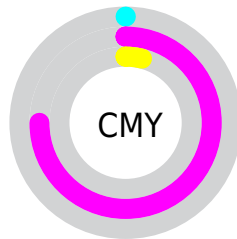


Cyan (0%)

Magenta (75%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (75%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.4989, 31.4076, 89.3125 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 59.4989, 31.4076, 89.3125 by changing the saturation by 10% instead.


 59.4989, 31.4076,
89.3125


 59.4989, 31.4076,
89.3125


412.6127,
308.4118, 546.3042

 43.2628, 20.9094,
66.8401


 103.2129, 61.8812,
148.3102


 30.2868, 13.0578,
48.4939


 131.4215, 82.6255,
185.6726


 20.2055, 7.4684,
33.8554


 164.3516,
107.5539, 228.8354

 12.6536, 3.7567,
22.5061

 202.3686,
137.0508, 278.2171

 7.2658, 1.5384,
14.0274

 245.8379,
171.5006, 334.2363

 3.6767, 0.3155,
8.0007

295.1247,

 1.5209, 0.0000,

211.2878, 397.3115

4.0076

350.5945,
256.7967, 467.8613

■ 0.3400, 0.0000,
1.6295

■ 0.0000, 0.0000,
0.3118

■ 59.4989, 31.4076,
89.3125

■ 59.4989, 31.4076,
89.3125

■ 58.1970, 29.1269,
87.8821

■ 61.4569, 34.9977,
90.9695

■ 57.4504, 27.9547,
86.6435

■ 64.1486, 40.0531,
92.8780

■ 57.2248, 27.6539,
86.1046

■ 67.6433, 46.7122,
95.0613

■ 72.0016, 55.0960,
97.5397

77.2782, 65.3142,
100.3315

83.5234, 77.4673,
103.4534

90.7839, 91.6484,
106.9209

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.



45.2146, 31.4076, 153.5340



59.4989, 31.4076, 89.3125



65.4747, 31.4076, 34.5580

Triad

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



59.4989, 31.4076, 89.3125



29.9776, 31.4076, 0.4648



12.1028, 31.4076, 88.1378

Complementary

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



59.4989, 31.4076, 89.3125



39.0135, 73.0583, 18.3506

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.



10.2712, 31.4076, 33.8396



59.4989, 31.4076, 89.3125



18.4351, 31.4076, 1.4701

Square

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



59.4989, 31.4076, 89.3125



45.5017, 31.4076, 1.5146



12.1716, 31.4076, 8.2642



18.2780, 31.4076, 152.5585

Rectangle

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



59.4989, 31.4076, 89.3125



62.8543, 31.4076, 14.2774



12.1716, 31.4076, 8.2642



11.0633, 31.4076, 67.2101

Sweetspot

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



59.4996, 31.4088, 89.3131



78.6210, 67.9227, 101.0166



22.5463, 12.1775, 95.7699



16.3796, 13.6673, 21.3920



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.



59.4996, 31.4088, 89.3131



57.7831, 28.4507, 87.2771



48.4754, 26.9992, 31.2605



18.7494, 18.2831, 22.5634



29.9190, 14.4569, 45.0852



2.9251, 1.4124, 4.4532

Inverse Universe

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



59.4996, 31.4088, 89.3131



57.7831, 28.4507, 87.2771



44.9350, 75.4269, 49.5325



18.7494, 18.2831, 22.5634



29.9190, 14.4569, 45.0852



2.9251, 1.4124, 4.4532

Previews

White Background



This preview shows how the XYZ color 59.4989, 31.4076, 89.3125 looks on a white background.

Color Contrast Check

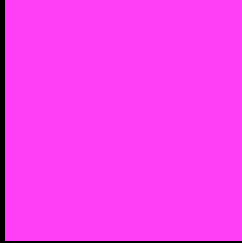
Large Text (above 18pt) WCAG AA × Fail

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 59.4989, 31.4076, 89.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

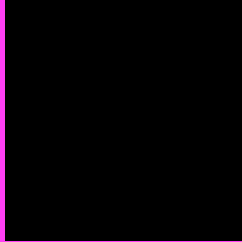
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4989, 31.4076, 89.3125

Background



This preview shows how black text looks on a background with the XYZ color 59.4989, 31.4076, 89.3125.



This preview shows how white text looks on a background with the XYZ color 59.4989, 31.4076,

89.3125.

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

59.4989, 31.4076, 89.3125

Protanopia

34.7413, 31.7791, 98.9106

Deuteranopia

32.6038, 31.7934, 80.7623



Tritanopia

45.0624, 31.1370, 20.4646

Trichromacy



Original Color

59.4989, 31.4076, 89.3125



Protanomaly

38.3882, 27.3955, 94.5314



Deuteranomaly

37.5196, 27.5467, 83.4603



Tritanomaly

48.6212, 30.1019, 38.3696

Monochromacy



Original Color

59.4989, 31.4076, 89.3125



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

33.3332, 25.0100, 45.7184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4989, 31.4076, 89.3125 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, 63, 245)` looks like.

```
.text, #text, p{  
    color:rgb(255, 63, 245)  
}
```

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, 63, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 63, 245) }
```

Border

The CSS property to change the border of an element to XYZ 59.4989, 31.4076, 89.3125 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, 63, 245) }
```


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

```
.border{ border-color:rgb(255, 63, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 63, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 63, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 63, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 63,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4989, 31.4076, 89.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 63, 245) }
```

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

```
.background{ background-color: rgb(255, 63,  
245) }
```

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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