

Converting Colors

XYZ(53.9612, 27.8867, 64.1768)

Have a look what the booklet for
XYZ(53.9612, 27.8867, 64.1768)
contains.

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Color

**XYZ(53.9749, 27.9171,
64.1718)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2ED3
RGB	255, 46, 211
RGB Percent	100%, 18%, 83%
CMY	0.0000, 0.8195, 0.1725
CMYK	0.00, 0.82, 0.17, 0.00
HSL	313°, 100%, 59%
HSV	313°, 82%, 100%
XYZ	53.9749, 27.9171, 64.1718
YIQ	127.3010, 71.5990, 95.6230

Conversions

Conversions Part 2

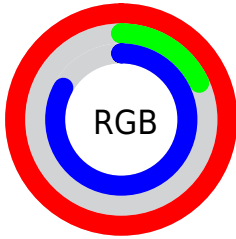
Format	Color
R_{YB}	255, 46, 211
Decimal	16723667
CIE _{Lab}	59.81, 87.27, -36.97
CIE _{LCh}	60, 94.776, 337.040
Yxy	27.9171, 0.3695, 0.1911
Android (android.graphics.Color)	4294913747 (0xFFFF2ED3)
YUV	127.3010, 41.2636, 111.9920
Hunter-Lab	52.8366, 89.8813, -35.0240

Details

The XYZ color **53.9749, 27.9171, 64.1718** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **38.7335, 72.8396, 21.6941**, and the grayscale version is **20.1242, 21.1722, 23.0565**.

A 20% lighter version of the original color is **65.7684, 41.4369, 99.1395**, and **28.2489, 13.8696, 32.6407** is the 20% darker color. If you saturate the color by 10%, you get **52.5952, 26.2170, 60.4466**, and if you desaturate by 10%, it is **55.9686, 30.8093, 68.2132**.

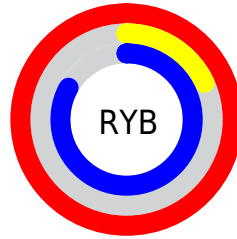
Distribution



Red (100%)

Green (18%)

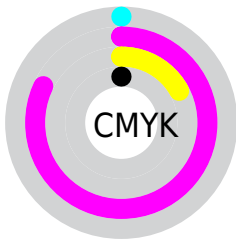
Blue (83%)



Red (100%)

Yellow (18%)

Blue (83%)

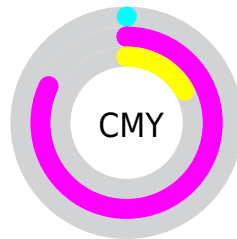


Cyan (0%)

Magenta (82%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (82%)

Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.9749, 27.9171, 64.1718 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 53.9749, 27.9171, 64.1718 by changing the saturation by 10% instead.


 53.9749, 27.9171,
64.1718


 53.9749, 27.9171,
64.1718


392.2142,
292.0706, 458.0343

 38.8122, 18.2632,
46.3428


 95.1945, 56.3521,
112.4602


 26.7937, 11.1391,
32.1658


 121.9821, 75.9019,
143.7566


 17.5541, 6.1605,
21.2223


 153.3754, 99.5191,
180.3792

 10.7281, 2.9429,
13.0938

 189.7397,
127.5882, 222.7466

 5.9503, 1.1020,
7.3617

 231.4403,
160.4935, 271.2772

 2.8552, 0.0000,
3.6074

278.8427,

 1.0777, 0.0000,

198.6194, 326.3897

1.4126

332.3122,
242.3503, 388.5025

■ 0.0063, 0.0000,
0.1515

■ 0.0000, 0.0000,
0.0000

■ 53.9749, 27.9171,
64.1718

■ 53.9749, 27.9171,
64.1718

■ 52.5952, 26.2170,
60.4466

■ 55.9686, 30.8093,
68.2132

■ 51.8194, 25.4918,
57.6405

■ 58.6658, 35.0721,
72.6008

■ 62.1428, 40.8579,
77.3614

■ 66.4654, 48.2978,
82.5178

71.6923, 57.5090,
88.0907

77.8768, 68.5978,
94.0989

85.0680, 81.6621,
100.5597

93.3118, 96.7932,
107.4893

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.



43.0127, 27.9171, 119.6127



53.9749, 27.9171, 64.1718



56.6755, 27.9171, 22.9916

Triad

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



53.9749, 27.9171, 64.1718



23.8040, 27.9171, 0.6338



12.0430, 27.9171, 90.1547

Complementary

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



53.9749, 27.9171, 64.1718



38.7335, 72.8396, 21.6941

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.



9.5838, 27.9171, 39.2428



53.9749, 27.9171, 64.1718



14.9154, 27.9171, 2.2721

Square

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



53.9749, 27.9171, 64.1718



36.5975, 27.9171, 1.1161



10.4479, 27.9171, 11.2121



18.5090, 27.9171, 140.9708

Rectangle

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



53.9749, 27.9171, 64.1718



52.8671, 27.9171, 9.1574



10.4479, 27.9171, 11.2121



10.8256, 27.9171, 71.4534

Sweetspot

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



53.9755, 27.9183, 64.1723



75.8891, 65.0162, 92.2222



23.0343, 11.2407, 95.5634



15.7770, 13.0796, 19.2869



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.



53.9755, 27.9183, 64.1723



52.0018, 25.6533, 58.3280



44.9623, 24.3131, 16.7096



18.6192, 18.2310, 21.8779



27.1334, 13.3427, 30.4168



2.6810, 1.3148, 3.1673

Inverse Universe

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



53.9755, 27.9183, 64.1723



52.0018, 25.6533, 58.3280



46.4356, 75.9205, 62.2530



18.6192, 18.2310, 21.8779



27.1334, 13.3427, 30.4168



2.6810, 1.3148, 3.1673

Previews

White Background



This preview shows how the XYZ color 53.9749, 27.9171, 64.1718 looks on a white background.

Color Contrast Check

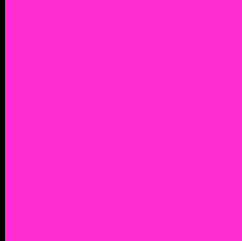
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.9749, 27.9171, 64.1718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

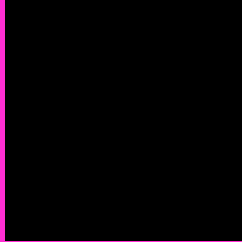
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 53.9749, 27.9171, 64.1718

Background



This preview shows how black text looks on a background with the XYZ color 53.9749, 27.9171, 64.1718.



This preview shows how white text looks on a background with the XYZ color 53.9749, 27.9171,

64.1718.

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

53.9749, 27.9171, 64.1718

Protanopia

31.7913, 28.4434, 98.4223

Deuteranopia

28.7342, 27.9815, 57.9194



Tritanopia

43.5549, 27.7577, 14.3714

Trichromacy



Original Color

53.9749, 27.9171, 64.1718



Protanomaly

33.3117, 23.0241, 84.3497



Deuteranomaly

33.4927, 23.8259, 59.3335



Tritanomaly

46.1704, 27.0069, 26.8242

Monochromacy



Original Color

53.9749, 27.9171, 64.1718



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

27.9948, 20.2027, 34.7718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.9749, 27.9171, 64.1718 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 211) }
```

Border

The CSS property to change the border of an element to XYZ 53.9749, 27.9171, 64.1718 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, 211) }
```


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

```
.border{ border-color:rgb(255, 46, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 53.9749, 27.9171, 64.1718 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, 211) }
```

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

```
.background{ background-color: rgb(255, 46,  
211) }
```

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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