

# Converting Colors

XYZ(53.4499, 29.6868, 64.3084)

Have a look what the booklet for  
XYZ(53.4499, 29.6868, 64.3084)  
contains.

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# Color

**XYZ(53.4996, 29.6619,  
64.5336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA48D3
RGB	250, 72, 211
RGB Percent	98%, 28%, 83%
CMY	0.0196, 0.7176, 0.1725
CMYK	0.00, 0.71, 0.16, 0.02
HSL	313°, 95%, 63%
HSV	313°, 71%, 98%
XYZ	53.4996, 29.6619, 64.5336
YIQ	141.0680, 61.4690, 80.9650

# Conversions

## Conversions Part 2

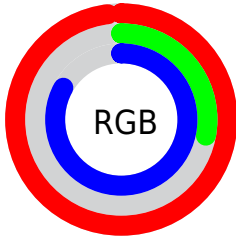
Format	Color
<a href="#">RYB</a>	<a href="#">250, 72, 211</a>
Decimal	<a href="#">16402643</a>
CIELab	<a href="#">61.36, 79.38, -34.62</a>
CIELCh	<a href="#">61, 86.598, 336.438</a>
Yxy	<a href="#">29.6619, 0.3622, 0.2008</a>
Android (android.graphics.Color)	<a href="#">4294592723</a> ( <a href="#">0xFFFA48D3</a> )
YUV	<a href="#">141.0680, 34.4765, 95.5334</a>
Hunter-Lab	<a href="#">54.4627, 80.0335, -32.1296</a>

# Details

The XYZ color **53.4996, 29.6619, 64.5336** 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 **39.7289, 70.8978, 26.6327**, and the grayscale version is **25.1982, 26.5105, 28.8700**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **26.9870, 13.2191, 32.5817** is the 20% darker color. If you saturate the color by 10%, you get **51.5242, 26.7911, 60.5445**, and if you desaturate by 10%, it is **56.1569, 33.8581, 68.8660**.

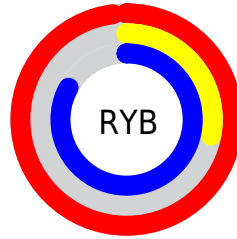
# Distribution



Red (98%)

Green (28%)

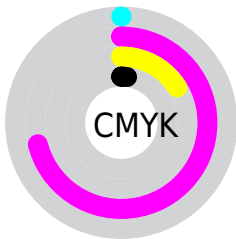
Blue (83%)



Red (98%)

Yellow (28%)

Blue (83%)

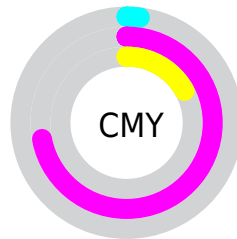


Cyan (0%)

Magenta (71%)

Yellow (16%)

Black (2%)



Cyan (2%)

Magenta (72%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4996, 29.6619, 64.5336 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 53.4996, 29.6619, 64.5336 by changing the saturation by 10% instead.





 53.4996, 29.6619,  
64.5336


 53.4996, 29.6619,  
64.5336

390.4285,  
300.3253, 459.3743


 38.4308, 19.5821,  
46.6341

 94.5003, 59.1271,  
112.9859

 26.4960, 12.0916,  
32.3942


 121.1630, 79.2813,  
144.3757

 17.3297, 6.8061,  
21.3954


 152.4210,  
103.5623, 181.0994

 10.5666, 3.3411,  
13.2193

 188.6397,  
132.3547, 223.5755

 5.8413, 1.3123,  
7.4472

230.1844,  
166.0428, 272.2224

 2.7886, 0.1507,  
3.6607

277.4206,

 1.0430, 0.0000,

205.0110, 327.4589

1.4411

330.7135,  
249.6437, 389.7033

■ 0.0000, 0.0000,  
0.1735

■ 0.0000, 0.0000,  
0.0000

■ 53.4996, 29.6619,  
64.5336

■ 53.4996, 29.6619,  
64.5336

■ 51.5242, 26.7911,  
60.5445

■ 56.1569, 33.8581,  
68.8660

■ 50.1423, 25.0706,  
56.8673

■ 59.5644, 39.5174,  
73.5647

■ 49.3001, 24.2743,  
53.8485

■ 63.7851, 46.7649,  
78.6523

■ 68.8746, 55.7114,  
84.1482

74.8833, 66.4575,  
90.0704

81.8578, 79.0960,  
96.4354

89.8416, 93.7134,  
103.2588

93.2063, 99.0528,  
108.6655

93.2346, 99.0642,  
108.8150

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.3548, 29.6619, 113.9405



53.4996, 29.6619, 64.5336



56.1363, 29.6619, 25.7442

# Triad

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



53.4996, 29.6619, 64.5336



25.8008, 29.6619, 1.4430



13.9568, 29.6619, 85.9204

# Complementary

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



53.4996, 29.6619, 64.5336



39.7289, 70.8978, 26.6327

# 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.



11.5144, 29.6619, 39.8764



53.4996, 29.6619, 64.5336



17.0555, 29.6619, 3.5202

# Square

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



53.4996, 29.6619, 64.5336



37.9161, 29.6619, 2.1435



12.4715, 29.6619, 13.1123



20.2924, 29.6619, 131.0812



# Rectangle

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



53.4996, 29.6619, 64.5336



52.7886, 29.6619, 11.6050



12.4715, 29.6619, 13.1123



12.7440, 29.6619, 69.1807

# Sweetspot

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



53.5006, 29.6634, 64.5342



78.4496, 69.7306, 94.3297



26.0756, 14.8902, 91.9429



16.3974, 14.2166, 19.8137



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.



53.5006, 29.6634, 64.5342



53.2657, 27.1921, 61.7981



45.2829, 26.3763, 21.2604



17.8207, 17.4556, 20.9114



26.2061, 12.8982, 28.8576



2.4660, 1.2101, 2.8773



# Inverse Universe

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



53.5006, 29.6634, 64.5342



53.2657, 27.1921, 61.7981



47.2343, 73.8999, 66.1552



17.8207, 17.4556, 20.9114



26.2061, 12.8982, 28.8576

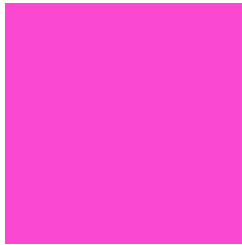


2.4660, 1.2101, 2.8773



# Previews

## White Background



This preview shows how the XYZ color 53.4996, 29.6619, 64.5336 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

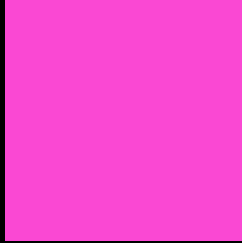
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.4996, 29.6619, 64.5336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

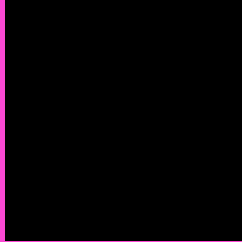
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 53.4996, 29.6619, 64.5336**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.4996, 29.6619, 64.5336.



This preview shows how white text looks on a background with the XYZ color 53.4996, 29.6619,

64.5336.

# 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

53.4996, 29.6619, 64.5336

### Protanopia

33.4309, 30.1801, 98.6711

### Deuteranopia

30.5357, 29.7962, 58.7854



## Tritanopia

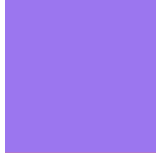
43.9403, 29.5271, 18.1352

# Trichromacy



## Original Color

53.4996, 29.6619, 64.5336



## Protanomaly

35.5760, 26.1574, 84.8352



## Deuteranomaly

35.4004, 26.7834, 60.4306



## Tritanomaly

46.4018, 28.9940, 30.7545

# Monochromacy



## Original Color

53.4996, 29.6619, 64.5336



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

32.1844, 25.0677, 39.2186

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.4996, 29.6619, 64.5336 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(250, 72, 211)` looks like.

```
.text, #text, p{  
    color:rgb(250, 72, 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(250, 72, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 72, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 53.4996, 29.6619, 64.5336 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(250, 72, 211) }
```



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

```
.border{ border-color:rgb(250, 72, 211) }
```

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

Here you see how a box with a 4 pixel rgb(250, 72, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 72, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 72, 211);  
box-shadow:4px 4px 4px 4px rgb(250, 72,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.4996, 29.6619, 64.5336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 72, 211) }
```

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

```
.background{ background-color: rgb(250, 72,  
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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