

Converting Colors

XYZ(53.6949, 29.8880, 56.2765)

Have a look what the booklet for
XYZ(53.6949, 29.8880, 56.2765)
contains.

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Color

**XYZ(53.6863, 29.8437,
56.3569)**

Conversions

Conversions Part 1

Format	Color
Hex	FF47C6
RGB	255, 71, 198
RGB Percent	100%, 28%, 78%
CMY	0.0000, 0.7215, 0.2235
CMYK	0.00, 0.72, 0.22, 0.00
HSL	319°, 100%, 64%
HSV	319°, 72%, 100%
XYZ	53.6863, 29.8437, 56.3569
YIQ	140.4940, 68.8970, 78.5050

Conversions

Conversions Part 2

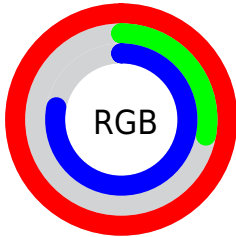
Format	Color
R_{YB}	255, 71, 198
Decimal	16730054
CIE _{Lab}	61.52, 79.18, -26.93
CIE _{LCh}	62, 83.631, 341.218
Yxy	29.8437, 0.3838, 0.2133
Android (android.graphics.Color)	4294920134 (0xFFFF47C6)
YUV	140.4940, 28.3505, 100.4218
Hunter-Lab	54.6294, 79.8171, -22.9243

Details

The XYZ color **53.6863, 29.8437, 56.3569** 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 **42.2563, 74.4188, 32.5629**, and the grayscale version is **24.9956, 26.2973, 28.6377**.

A 20% lighter version of the original color is **67.8151, 45.5302, 99.8217**, and **27.2822, 13.4830, 27.5501** is the 20% darker color. If you saturate the color by 10%, you get **51.5033, 26.8981, 51.2502**, and if you desaturate by 10%, it is **56.5981, 34.1707, 61.9416**.

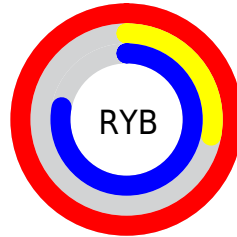
Distribution



Red (100%)

Green (28%)

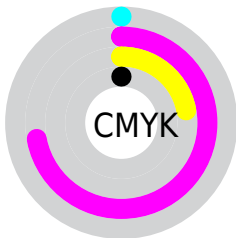
Blue (78%)



Red (100%)

Yellow (28%)

Blue (78%)

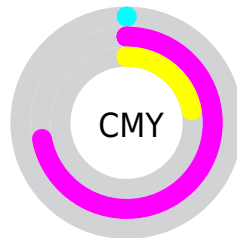


Cyan (0%)

Magenta (72%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6863, 29.8437, 56.3569 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 53.6863, 29.8437, 56.3569 by changing the saturation by 10% instead.


 53.6863, 29.8437,
56.3569


 53.6863, 29.8437,
56.3569

391.1305,
301.1752, 428.4612


 38.5806, 19.7200,
40.0832


 94.7731, 59.4149,
101.0172


 26.6129, 12.1917,
27.2892


 121.4849, 79.6312,
130.2409

 17.4178, 6.8743,
17.5562


 152.7961,
103.9805, 164.6184

 10.6299, 3.3836,
10.4657

 189.0720,
132.8471, 204.5682

 5.8840, 1.3351,
5.5992

230.6781,
166.6155, 250.5088

 2.8147, 0.1682,
2.5381

277.9796,

 1.0565, 0.0000,

205.6700, 302.8588

0.8602

331.3420,
250.3952, 362.0368

■ 0.0000, 0.0000,
0.0000

■ 53.6863, 29.8437,
56.3569

■ 53.6863, 29.8437,
56.3569

■ 51.5033, 26.8981,
51.2502

■ 56.5981, 34.1707,
61.9416

■ 49.9546, 25.1464,
46.5857

■ 60.3130, 40.0266,
68.0317

■ 49.0766, 24.3946,
43.1970

■ 64.8980, 47.5446,
74.6532

■ 70.4125, 56.8421,
81.8292

■ 76.9103, 68.0259,
89.5809

84.4412, 81.1943,
97.9280

93.0513, 96.4387,
106.8891

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.



44.8420, 29.8437, 103.3637



53.6863, 29.8437, 56.3569



54.8067, 29.8437, 22.0138

Triad

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



53.6863, 29.8437, 56.3569



24.4204, 29.8437, 1.8721



15.1713, 29.8437, 91.5386

Complementary

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



53.6863, 29.8437, 56.3569



42.2563, 74.4188, 32.5629

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.



12.1829, 29.8437, 45.8648



53.6863, 29.8437, 56.3569



16.5184, 29.8437, 4.8191

Square

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



53.6863, 29.8437, 56.3569



35.7906, 29.8437, 2.2003



12.6016, 29.8437, 16.5460



22.0457, 29.8437, 131.2139

Rectangle

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



53.6863, 29.8437, 56.3569



50.7577, 29.8437, 10.0241



12.6016, 29.8437, 16.5460



13.7713, 29.8437, 75.4721

Sweetspot

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



53.6870, 29.8451, 56.3574



77.0173, 68.2116, 89.7036



28.9388, 16.1793, 96.2054



16.0854, 13.9081, 18.7374



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.



53.6870, 29.8451, 56.3574



50.6798, 25.9128, 48.9362



46.1905, 26.8465, 16.8815



18.5390, 18.1989, 21.4556



25.7137, 12.7748, 22.9407



2.5528, 1.2635, 2.4922

Inverse Universe

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



53.6870, 29.8451, 56.3574



50.6798, 25.9128, 48.9362



51.0407, 77.9326, 78.8209



18.5390, 18.1989, 21.4556



25.7137, 12.7748, 22.9407



2.5528, 1.2635, 2.4922

Previews

White Background



This preview shows how the XYZ color 53.6863, 29.8437, 56.3569 looks on a white background.

Color Contrast Check

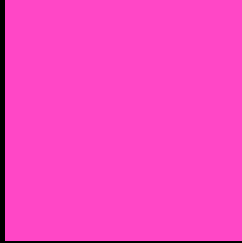
Large Text (above 18pt) WCAG AA ✓ Pass

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 53.6863, 29.8437, 56.3569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

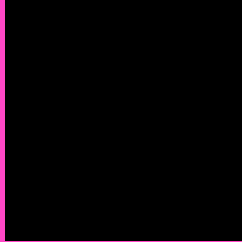
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 53.6863, 29.8437, 56.3569

Background



This preview shows how black text looks on a background with the XYZ color 53.6863, 29.8437, 56.3569.



This preview shows how white text looks on a background with the XYZ color 53.6863, 29.8437,

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

53.6863, 29.8437, 56.3569

Protanopia

33.5422, 30.2375, 98.6763

Deuteranopia

30.6837, 30.0282, 51.7558



Tritanopia

45.3694, 29.7178, 16.7095

Trichromacy



Original Color

53.6863, 29.8437, 56.3569



Protanomaly

35.2343, 26.0655, 81.0160



Deuteranomaly

35.8784, 27.1898, 53.2263



Tritanomaly

47.6569, 29.3328, 27.5761

Monochromacy



Original Color

53.6863, 29.8437, 56.3569



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

32.0584, 25.0445, 37.3268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6863, 29.8437, 56.3569 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, 71, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 198)  
}
```

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, 71, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 198) }
```

Border

The CSS property to change the border of an element to XYZ 53.6863, 29.8437, 56.3569 is called "border". The border property can be set on classes, ids or directly on the HTML element.

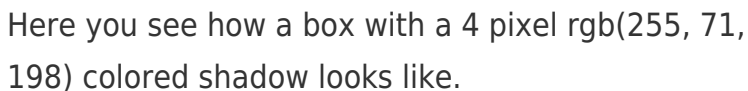
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 71, 198) }
```


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

```
.border{ border-color:rgb(255, 71, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 71, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 71, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 71, 198); box-shadow:4px 4px 4px 4px rgb(255, 71, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6863, 29.8437, 56.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 198) }
```

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

```
.background{ background-color: rgb(255, 71,  
198) }
```

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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