

Converting Colors

XYZ(55.9256, 29.0854, 86.6265)

Have a look what the booklet for
XYZ(55.9256, 29.0854, 86.6265)
contains.

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Color

**XYZ(55.7990, 29.0133,
86.6636)**

Conversions

Conversions Part 1

Format	Color
Hex	F738F2
RGB	247, 56, 242
RGB Percent	97%, 22%, 95%
CMY	0.0314, 0.7804, 0.0510
CMYK	0.00, 0.77, 0.02, 0.03
HSL	302°, 92%, 59%
HSV	302°, 77%, 97%
XYZ	55.7990, 29.0133, 86.6636
YIQ	134.3130, 54.1300, 98.3380

Conversions

Conversions Part 2

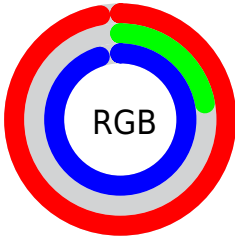
Format	Color
R _{YB}	247, 56, 242
Decimal	16201970
CIE Lab	60.79, 87.66, -52.95
CIE LCh	61, 102.408, 328.868
Yxy	29.0133, 0.3254, 0.1692
Android (android.graphics.Color)	4294392050 (0xFFFF738F2)
YUV	134.3130, 53.0897, 98.8265
Hunter-Lab	53.8640, 90.6504, -57.6889

Details

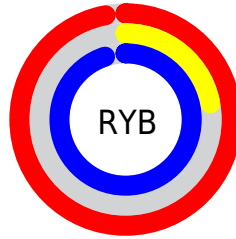
The XYZ color **55.7990, 29.0133, 86.6636** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **35.7354, 67.7007, 15.6006**, and the grayscale version is **22.5741, 23.7497, 25.8634**.

A 20% lighter version of the original color is **66.4977, 42.8953, 99.3826**, and **29.0067, 13.9419, 47.0612** is the 20% darker color. If you saturate the color by 10%, you get **54.7866, 27.1428, 85.8479**, and if you desaturate by 10%, it is **57.4038, 32.0662, 87.6789**.

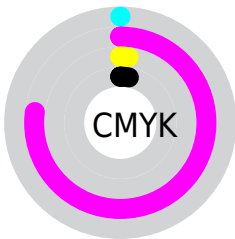
Distribution



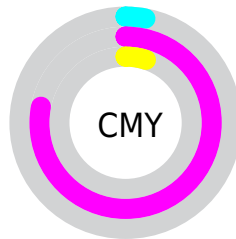
- Red (97%)
- Green (22%)
- Blue (95%)



- Red (97%)
- Yellow (22%)
- Blue (95%)



- Cyan (0%)
- Magenta (77%)
- Yellow (2%)
- Black (3%)





- Cyan (3%)
- Magenta (78%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.7990, 29.0133, 86.6636 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 55.7990, 29.0133, 86.6636 by changing the saturation by 10% instead.


 55.7990, 29.0133,
86.6636


 55.7990, 29.0133,
86.6636

399.0209,
297.2777, 537.4043

 40.2782, 19.0909,
64.6588

 97.8521, 58.0982,
144.5899

 27.9407, 11.7360,
46.7349


 125.1152, 78.0295,
181.3485


 18.4212, 6.5642,
32.4733


 157.0230,
102.0659, 223.8621

 11.3543, 3.1911,
21.4554

 193.9409,
130.5917, 272.5493

 6.3747, 1.2323,
13.2628

 236.2343,
163.9914, 327.8285

 3.1171, 0.0878,
7.4769

284.2685,

 1.2160, 0.0000,

202.6494, 390.1184

3.6792

338.4089,
246.9500, 459.8375

■ 0.1189, 0.0000,
1.4511

■ 0.0000, 0.0000,
0.1811

■ 55.7990, 29.0133,
86.6636

■ 55.7990, 29.0133,
86.6636

■ 54.7866, 27.1428,
85.8479

■ 57.4038, 32.0662,
87.6789

■ 54.2635, 26.2513,
85.1967

■ 59.6740, 36.4503,
88.9175

■ 54.1660, 26.0975,
85.0369

■ 62.6759, 42.2973,
90.4017

■ 66.4668, 49.7217,
92.1506

71.0984, 58.8269,
94.1814

76.6178, 69.7073,
96.5099

83.0690, 82.4505,
99.1506

90.4926, 97.1381,
102.1172

91.0340, 98.0607,
102.7915

Harmonies

Analogous

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



41.8709, 29.0133, 149.0813



55.7990, 29.0133, 86.6636



61.8978, 29.0133, 33.0611

Triad

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



55.7990, 29.0133, 86.6636



28.0851, 29.0133, 0.1698



10.6864, 29.0133, 81.8400

Complementary

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



55.7990, 29.0133, 86.6636



35.7354, 67.7007, 15.6006

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.



9.0858, 29.0133, 30.1643



55.7990, 29.0133, 86.6636



16.9731, 29.0133, 1.0612

Square

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



55.7990, 29.0133, 86.6636



43.0387, 29.0133, 1.2192



10.9574, 29.0133, 6.8274



16.3472, 29.0133, 145.0435

Rectangle

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



55.7990, 29.0133, 86.6636



59.5783, 29.0133, 13.3206



10.9574, 29.0133, 6.8274



9.7553, 29.0133, 61.7189

Sweetspot

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



55.8001, 29.0147, 86.6642



78.8627, 68.0194, 102.2893



20.0186, 10.4806, 88.9649



16.4394, 13.6912, 21.7066



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.



55.8001, 29.0147, 86.6642



58.5200, 28.5142, 91.8704



45.1439, 24.7522, 30.5494



17.1938, 16.7604, 20.7671



28.6550, 13.8054, 45.0189



2.5243, 1.2157, 3.9875

Inverse Universe

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



55.8001, 29.0147, 86.6642



58.5200, 28.5142, 91.8704



40.7831, 69.7197, 42.1815



17.1938, 16.7604, 20.7671



28.6550, 13.8054, 45.0189



2.5243, 1.2157, 3.9875

Previews

White Background



This preview shows how the XYZ color 55.7990, 29.0133, 86.6636 looks on a white background.

Color Contrast Check

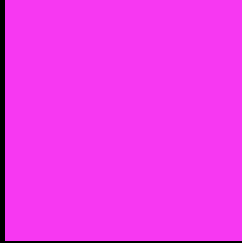
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.7990, 29.0133, 86.6636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

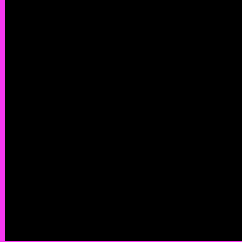
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.7990, 29.0133, 86.6636

Background



This preview shows how black text looks on a background with the XYZ color 55.7990, 29.0133, 86.6636.



This preview shows how white text looks on a background with the XYZ color 55.7990, 29.0133,

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

55.7990, 29.0133, 86.6636

Protanopia

32.5918, 29.2978, 98.5450

Deuteranopia

30.1701, 29.4081, 78.2149



Tritanopia

41.7389, 28.8240, 18.9865

Trichromacy



Original Color

55.7990, 29.0133, 86.6636



Protanomaly

35.5174, 24.7550, 93.3487



Deuteranomaly

34.3862, 24.9437, 80.8442



Tritanomaly

45.0948, 27.6947, 36.2266

Monochromacy



Original Color

55.7990, 29.0133, 86.6636



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

30.3761, 22.4392, 42.2654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.7990, 29.0133, 86.6636 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(247, 56, 242)` looks like.

```
.text, #text, p{  
    color:rgb(247, 56, 242)  
}
```

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(247, 56, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 56, 242) }
```

Border

The CSS property to change the border of an element to XYZ 55.7990, 29.0133, 86.6636 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(247, 56, 242) }
```


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

```
.border{ border-color:rgb(247, 56, 242) }
```

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

Here you see how a box with a 4 pixel rgb(247, 56, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 56, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 56, 242);  
box-shadow:4px 4px 4px 4px rgb(247, 56,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 55.7990, 29.0133, 86.6636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 56, 242) }
```

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

```
.background{ background-color: rgb(247, 56,  
242) }
```

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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