

Converting Colors

XYZ(55.9301, 28.6452, 86.9230)

Have a look what the booklet for
XYZ(55.9301, 28.6452, 86.9230)
contains.

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Color

**XYZ(55.8790, 28.6485,
86.5890)**

Conversions

Conversions Part 1

Format	Color
Hex	F832F2
RGB	248, 50, 242
RGB Percent	97%, 20%, 95%
CMY	0.0274, 0.8039, 0.0510
CMYK	0.00, 0.80, 0.02, 0.03
HSL	302°, 93%, 58%
HSV	302°, 80%, 97%
XYZ	55.8790, 28.6485, 86.5890
YIQ	131.0900, 56.3760, 101.6880

Conversions

Conversions Part 2

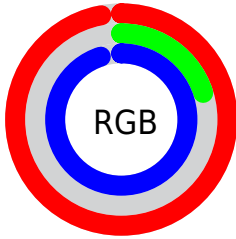
Format	Color
R _{YB}	248, 50, 242
Decimal	16265970
CIE _{Lab}	60.47, 89.25, -53.45
CIE _{LCh}	60, 104.033, 329.084
Yxy	28.6485, 0.3266, 0.1674
Android (android.graphics.Color)	4294456050 (0xFFFF832F2)
YUV	131.0900, 54.6786, 102.5301
Hunter-Lab	53.5243, 92.6853, -58.4495

Details

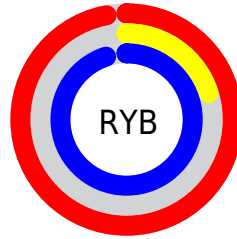
The XYZ color **55.8790, 28.6485, 86.5890** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **35.5980, 68.0997, 15.0115**, and the grayscale version is **21.4050, 22.5197, 24.5240**.

A 20% lighter version of the original color is **66.1274, 42.1547, 99.2591**, and **29.2505, 14.0676, 47.0726** is the 20% darker color. If you saturate the color by 10%, you get **54.9785, 27.0269, 85.7331**, and if you desaturate by 10%, it is **57.3555, 31.4196, 87.6396**.

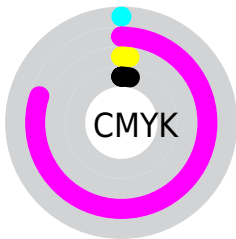
Distribution



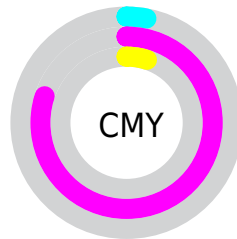
- Red (97%)
- Green (20%)
- Blue (95%)



- Red (97%)
- Yellow (20%)
- Blue (95%)



- Cyan (0%)
- Magenta (80%)
- Yellow (2%)
- Black (3%)





- Cyan (3%)
- Magenta (80%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8790, 28.6485, 86.5890 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 55.8790, 28.6485, 86.5890 by changing the saturation by 10% instead.


 55.8790, 28.6485,
86.5890


 55.8790, 28.6485,
86.5890

399.3178,
295.5529, 537.1525

 40.3425, 18.8151,
64.5975

 97.9685, 57.5182,
144.4849


 27.9911, 11.5367,
46.6855


 125.2522, 77.3232,
181.2264

 18.4594, 6.4291,
32.4345


 157.1824,
101.2208, 223.7216

 11.3820, 3.1077,
21.4260

 194.1244,
129.5956, 272.3891

 6.3936, 1.1882,
13.2415

 236.4436,
162.8317, 327.6474

 3.1288, 0.0520,
7.4624

284.5053,

 1.2222, 0.0000,

201.3137, 389.9150

3.6701

338.6749,
245.4260, 459.6105

■ 0.1238, 0.0000,
1.4462

■ 0.0000, 0.0000,
0.1773

■ 55.8790, 28.6485,
86.5890

■ 55.8790, 28.6485,
86.5890

■ 54.9785, 27.0269,
85.7331

■ 57.3555, 31.4196,
87.6396


■ 54.5185, 26.2865,
85.0262


■ 59.4859, 35.4986,
88.9102


■ 54.5122, 26.2768,
85.0149


■ 62.3394, 41.0230,
90.4241


■ 65.9756, 48.1122,
92.2012

 70.4481, 56.8730,
94.2594

 75.8055, 67.4031,
96.6149

 82.0928, 79.7922,
99.2827

 89.3521, 94.1245,
102.2767

 91.5342, 98.3016,
103.5807

Harmonies

Analogous

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



41.7833, 28.6485, 150.4465



55.8790, 28.6485, 86.5890



62.0001, 28.6485, 32.3889

Triad

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



55.8790, 28.6485, 86.5890



27.6439, 28.6485, 0.0168



10.3413, 28.6485, 82.6126

Complementary

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



55.8790, 28.6485, 86.5890



35.5980, 68.0997, 15.0115

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.



8.7299, 28.6485, 30.0276



55.8790, 28.6485, 86.5890



16.5213, 28.6485, 0.9329

Square

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



55.8790, 28.6485, 86.5890



42.7404, 28.6485, 1.0517



10.5590, 28.6485, 6.5574



16.0149, 28.6485, 147.1015

Rectangle

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



55.8790, 28.6485, 86.5890



59.5854, 28.6485, 12.7440



10.5590, 28.6485, 6.5574



9.4090, 28.6485, 62.0991

Sweetspot

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



55.8801, 28.6498, 86.5896



78.2401, 66.8557, 101.8305



19.5693, 9.8251, 89.6731



16.3181, 13.4679, 21.6067



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.



55.8801, 28.6498, 86.5896



58.2289, 28.2327, 90.8464



45.0186, 24.3052, 29.3935



17.9690, 17.5150, 21.6924



29.4572, 14.1986, 45.9772



2.7352, 1.3178, 4.2950

Inverse Universe

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



55.8801, 28.6498, 86.5896



58.2289, 28.2327, 90.8464



40.5765, 70.0911, 41.2281



17.9690, 17.5150, 21.6924



29.4572, 14.1986, 45.9772



2.7352, 1.3178, 4.2950

Previews

White Background



This preview shows how the XYZ color 55.8790, 28.6485, 86.5890 looks on a white background.

Color Contrast Check

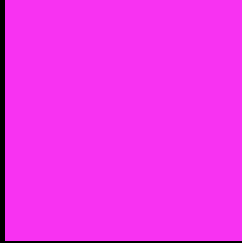
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.8790, 28.6485, 86.5890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

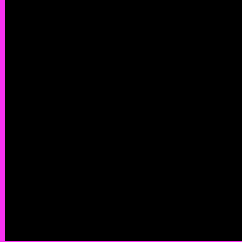
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.8790, 28.6485, 86.5890

Background



This preview shows how black text looks on a background with the XYZ color 55.8790, 28.6485, 86.5890.



This preview shows how white text looks on a background with the XYZ color 55.8790, 28.6485,

86.5890.

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

55.8790, 28.6485, 86.5890

Protanopia

32.3867, 29.1921, 98.5354

Deuteranopia

29.7886, 28.9816, 78.1527



Tritanopia

41.5964, 28.3187, 18.0255

Trichromacy



Original Color

55.8790, 28.6485, 86.5890



Protanomaly

35.1184, 24.2290, 93.2682



Deuteranomaly

33.8621, 24.1794, 80.7243



Tritanomaly

44.9385, 27.1600, 35.2216

Monochromacy



Original Color

55.8790, 28.6485, 86.5890



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

29.5576, 21.4417, 41.1089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8790, 28.6485, 86.5890 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(248, 50, 242)` looks like.

```
.text, #text, p{  
    color:rgb(248, 50, 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(248, 50, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 50, 242) }
```

Border

The CSS property to change the border of an element to XYZ 55.8790, 28.6485, 86.5890 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(248, 50, 242) }
```


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

```
.border{ border-color:rgb(248, 50, 242) }
```

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

Here you see how a box with a 4 pixel rgb(248, 50, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 50, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 50, 242);  
box-shadow:4px 4px 4px 4px rgb(248, 50,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8790, 28.6485, 86.5890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 50, 242) }
```

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

```
.background{ background-color: rgb(248, 50,  
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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