

Converting Colors

XYZ(57.0360, 37.4291, 83.6612)

Have a look what the booklet for XYZ(57.0360, 37.4291, 83.6612) contains.

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Color

**XYZ(56.9970, 37.4269,
83.5769)**

Conversions

Conversions Part 1

Format	Color
Hex	EE77EC
RGB	238, 119, 236
RGB Percent	93%, 47%, 93%
CMY	0.0667, 0.5333, 0.0745
CMYK	0.00, 0.50, 0.01, 0.07
HSL	301°, 78%, 70%
HSV	301°, 50%, 93%
XYZ	56.9970, 37.4269, 83.5769
YIQ	167.9190, 33.3670, 61.6150

Conversions

Conversions Part 2

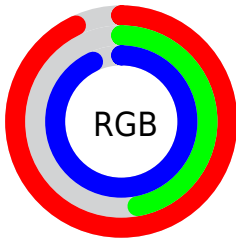
Format	Color
R _Y B	238, 119, 236
Decimal	15628268
CIE Lab	67.60, 61.31, -38.99
CIE LCh	68, 72.659, 327.546
Yxy	37.4269, 0.3202, 0.2103
Android (android.graphics.Color)	4293818348 (0xFFEE77EC)
YUV	167.9190, 33.5639, 61.4610
Hunter-Lab	61.1775, 59.2416, -38.1740

Details

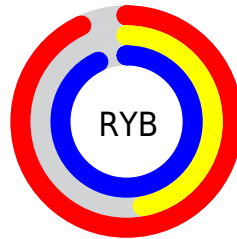
The XYZ color **56.9970, 37.4269, 83.5769** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.6351, 66.4529, 28.7236**, and the grayscale version is **37.0102, 38.9376, 42.4031**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **28.8381, 16.5536, 44.8552** is the 20% darker color. If you saturate the color by 10%, you get **54.4535, 32.4318, 82.4428**, and if you desaturate by 10%, it is **60.2524, 43.8435, 84.9496**.

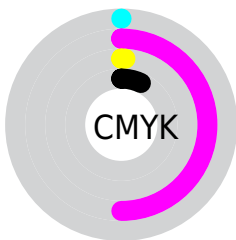
Distribution



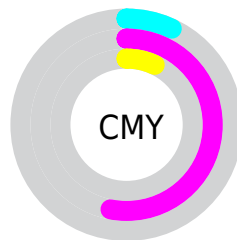
- Red (93%)
- Green (47%)
- Blue (93%)



- Red (93%)
- Yellow (47%)
- Blue (93%)



- Cyan (0%)
- Magenta (50%)
- Yellow (1%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9970, 37.4269, 83.5769 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 56.9970, 37.4269, 83.5769 by changing the saturation by 10% instead.

 56.9970, 37.4269,
83.5769


 56.9970, 37.4269,
83.5769


403.4524,
335.1551, 526.9284


 41.2430, 25.5382,
62.1228


 99.5922, 71.2289,
140.2396

 28.6975, 16.4785,
44.6955


 127.1641, 93.9109,
176.2853

 18.9952, 9.8634,
30.8765


 159.4059,
120.9596, 218.0320

 11.7708, 5.3085,
20.2471

196.6831,
152.7591, 265.8981

 6.6589, 2.4294,
12.3889

239.3610,
189.6941, 320.3023

 3.2941, 0.8409,
6.8834

287.8050,

 1.3111, 0.0000,

232.1488, 381.6631

3.3119

342.3803,
280.5077, 450.3989

■ 0.1915, 0.0000,
1.2560

■ 0.0000, 0.0000,
0.0254

■ 56.9970, 37.4269,
83.5769

■ 56.9970, 37.4269,
83.5769

■ 54.4535, 32.4318,
82.4428

■ 60.2524, 43.8435,
84.9496

■ 52.5638, 28.7454,
81.5271


■ 64.2640, 51.7735,
86.5746


■ 51.2678, 26.2458,
80.8098


■ 69.0774, 61.3067,
88.4675


■ 50.4918, 24.7862,
80.2665


■ 74.7333, 72.5247,
90.6420


 50.1117, 24.1180,
79.8558


 81.2696, 85.5034,
93.1105

 50.1116, 24.1179,
79.8557

 86.5121, 95.8941,
95.1484

 86.5711, 95.9177,
95.4591

 86.6302, 95.9413,
95.7705

 86.6895, 95.9650,
96.0826

Harmonies

Analogous

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



46.4822, 37.4269, 123.4586



56.9970, 37.4269, 83.5769



61.6953, 37.4269, 43.4474

Triad

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



56.9970, 37.4269, 83.5769



36.5024, 37.4269, 4.9831



19.7010, 37.4269, 76.4148

Complementary

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



56.9970, 37.4269, 83.5769



41.6351, 66.4529, 28.7236

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.



18.1138, 37.4269, 38.1696



56.9970, 37.4269, 83.5769



26.5203, 37.4269, 6.8928

Square

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



56.9970, 37.4269, 83.5769



48.4156, 37.4269, 7.7316



20.3289, 37.4269, 15.8193



25.2298, 37.4269, 118.0163

Rectangle

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



56.9970, 37.4269, 83.5769



60.2893, 37.4269, 24.8521



20.3289, 37.4269, 15.8193



18.7469, 37.4269, 62.2986

Sweetspot

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



56.9983, 37.4286, 83.5777



83.9351, 77.9356, 104.6851



29.9140, 23.4323, 83.8363



17.6711, 16.0975, 22.2935



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.



56.9983, 37.4286, 83.5777



63.6299, 37.8182, 96.3970



49.7460, 34.5276, 45.3873



16.4421, 16.0266, 19.8845



27.9621, 13.4573, 44.5783



2.3298, 1.1210, 3.7277

Inverse Universe

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



56.9983, 37.4286, 83.5777



63.6299, 37.8182, 96.3970



46.4714, 68.3874, 54.1913



16.4421, 16.0266, 19.8845



27.9621, 13.4573, 44.5783



2.3298, 1.1210, 3.7277

Previews

White Background



This preview shows how the XYZ color 56.9970, 37.4269, 83.5769 looks on a white background.

Color Contrast Check

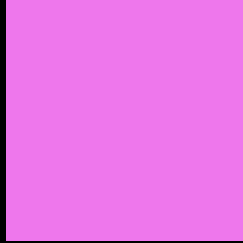
Large Text (above 18pt) WCAG AA × Fail

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 56.9970, 37.4269, 83.5769 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 ✓ Pass

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

XYZ 56.9970, 37.4269, 83.5769

Background



This preview shows how black text looks on a background with the XYZ color 56.9970, 37.4269, 83.5769.



This preview shows how white text looks on a background with the XYZ color 56.9970, 37.4269,

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

56.9970, 37.4269, 83.5769

Protanopia

40.3304, 37.8860, 99.7948

Deuteranopia

38.6024, 37.7251, 78.6459



Tritanopia

46.5617, 37.2891, 33.5976

Trichromacy



Original Color

56.9970, 37.4269, 83.5769



Protanomaly

43.7997, 35.8811, 93.4242



Deuteranomaly

43.2176, 36.1019, 80.2919



Tritanomaly

49.5468, 36.8276, 48.2131

Monochromacy



Original Color

56.9970, 37.4269, 83.5769



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

42.5243, 37.0004, 55.3526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9970, 37.4269, 83.5769 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(238, 119, 236)` looks like.

```
.text, #text, p{  
    color:rgb(238, 119, 236)  
}
```

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(238, 119, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 119, 236) }
```

Border

The CSS property to change the border of an element to XYZ 56.9970, 37.4269, 83.5769 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(238, 119, 236) }
```


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

```
.border{ border-color:rgb(238, 119, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 119, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 119, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 119, 236); box-shadow:4px 4px 4px 4px rgb(238, 119, 236) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9970, 37.4269, 83.5769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 119, 236) }
```

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

```
.background{ background-color: rgb(238,  
119, 236) }
```

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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