

Converting Colors

XYZ(55.3908, 37.5279, 84.4466)

Have a look what the booklet for
XYZ(55.3908, 37.5279, 84.4466)
contains.

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Color

**XYZ(55.4487, 37.5187,
84.4401)**

Conversions

Conversions Part 1

Format	Color
Hex	E77CED
RGB	231, 124, 237
RGB Percent	91%, 49%, 93%
CMY	0.0941, 0.5137, 0.0706
CMYK	0.03, 0.48, 0.00, 0.07
HSL	297°, 76%, 71%
HSV	297°, 48%, 93%
XYZ	55.4487, 37.5187, 84.4401
YIQ	168.8750, 27.4990, 57.8270

Conversions

Conversions Part 2

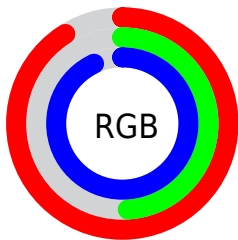
Format	Color
R _Y B	231, 124, 237
Decimal	15170797
CIE Lab	67.66, 57.16, -39.50
CIE LCh	68, 69.484, 325.355
Yxy	37.5187, 0.3125, 0.2115
Android (android.graphics.Color)	4293360877 (0xFFE77CED)
YUV	168.8750, 33.5856, 54.4836
Hunter-Lab	61.2525, 54.3948, -38.8579

Details

The XYZ color **55.4487, 37.5187, 84.4401** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.1295, 66.7703, 29.6855**, and the grayscale version is **37.4815, 39.4334, 42.9430**.

A 20% lighter version of the original color is **75.6113, 61.1225, 102.4204**, and **27.7022, 16.4767, 45.4363** is the 20% darker color. If you saturate the color by 10%, you get **52.4235, 32.0681, 83.5480**, and if you desaturate by 10%, it is **59.1931, 44.4014, 85.5718**.

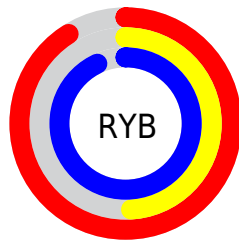
Distribution



Red (91%)

Green (49%)

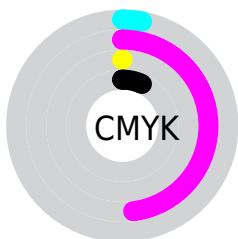
Blue (93%)



Red (91%)

Yellow (49%)

Blue (93%)

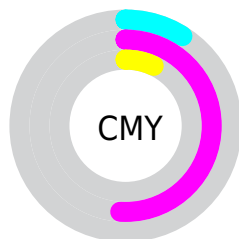


Cyan (3%)

Magenta (48%)

Yellow (0%)

Black (7%)



Cyan (9%)


Magenta (51%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.4487, 37.5187, 84.4401 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 55.4487, 37.5187, 84.4401 by changing the saturation by 10% instead.


 55.4487, 37.5187,
84.4401


 55.4487, 37.5187,
84.4401

397.7194,
335.5508, 529.8697


 39.9963, 25.6094,
62.8314


 97.3426, 71.3698,
141.4579

 27.7199, 16.5316,
45.2647


 124.5148, 94.0804,
177.7040

 18.2540, 9.9011,
31.3215


 156.3243,
121.1602, 219.6663

 11.2333, 5.3334,
20.5833

193.1365,
152.9935, 267.7633

 6.2924, 2.4442,
12.6315

235.3168,
189.9649, 322.4136

 3.0660, 0.8485,
7.0475

283.2304,

 1.1888, 0.0000,

232.4586, 384.0358

3.4129

337.2428,
280.8591, 453.0483

■ 0.0975, 0.0000,
1.3092

■ 0.0000, 0.0000,
0.0693

■ 55.4487, 37.5187,
84.4401

■ 55.4487, 37.5187,
84.4401

■ 52.4235, 32.0681,
83.5480

■ 59.1931, 44.4014,
85.5718

■ 50.0615, 27.9406,
82.8758


■ 63.6995, 52.8048,
86.9563


■ 48.3051, 25.0198,
82.4046

■ 69.0121, 62.8162,
88.6087


■ 47.0847, 23.1669,
82.1113

■ 75.1706, 74.5151,
90.5422


 46.3070, 22.1950,
81.9647


 82.2120, 87.9753,
92.7692

 46.1563, 22.0286,
81.9405

 86.4914, 95.9072,
94.0746

 86.9167, 96.1264,
94.0945

 87.3449, 96.3472,
94.1146

 87.7761, 96.5695,
94.1347

Harmonies

Analogous

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



45.2359, 37.5187, 120.7896



55.4487, 37.5187, 84.4401



60.4038, 37.5187, 45.8206

Triad

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



55.4487, 37.5187, 84.4401



37.3557, 37.5187, 5.7403



20.0882, 37.5187, 71.7050

Complementary

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



55.4487, 37.5187, 84.4401



43.1295, 66.7703, 29.6855

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.



18.8082, 37.5187, 36.2553



55.4487, 37.5187, 84.4401



27.5416, 37.5187, 7.3566

Square

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



55.4487, 37.5187, 84.4401



48.7089, 37.5187, 8.9887



21.2483, 37.5187, 15.6427



25.1789, 37.5187, 111.2072

Rectangle

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



55.4487, 37.5187, 84.4401



59.4594, 37.5187, 27.1282



21.2483, 37.5187, 15.6427



19.2477, 37.5187, 58.5628

Sweetspot

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



55.4500, 37.5204, 84.4409



84.0060, 78.9420, 105.4175



31.7880, 26.7776, 83.6145



17.6552, 16.2796, 22.4617



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.



55.4500, 37.5204, 84.4409



62.0459, 38.1221, 98.6959



51.2146, 36.0538, 51.8571



15.6312, 15.2707, 19.0459



25.2357, 12.0454, 44.7379



2.0059, 0.9584, 3.5141

Inverse Universe

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



46.1632, 34.0332, 25.2568



50.0107, 33.6295, 20.7982



46.1373, 67.8702, 50.1886



15.0979, 15.0670, 15.8008



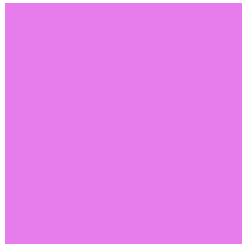
19.1204, 9.8509, 1.1697



1.5129, 0.7781, 0.1521

Previews

White Background



This preview shows how the XYZ color 55.4487, 37.5187, 84.4401 looks on a white background.

Color Contrast Check

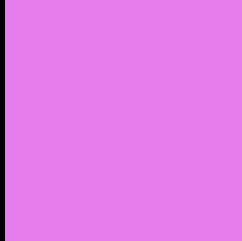
Large Text (above 18pt) WCAG AA × Fail

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 55.4487, 37.5187, 84.4401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

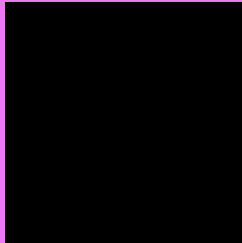
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.4487, 37.5187, 84.4401

Background



This preview shows how black text looks on a background with the XYZ color 55.4487, 37.5187, 84.4401.



This preview shows how white text looks on a background with the XYZ color 55.4487, 37.5187,

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

55.4487, 37.5187, 84.4401

Protanopia

40.3304, 37.8860, 99.7948

Deuteranopia

38.7078, 37.7472, 80.1087



Tritanopia

45.1704, 37.1937, 35.3702

Trichromacy



Original Color

55.4487, 37.5187, 84.4401



Protanomaly

43.4695, 36.1726, 93.4979



Deuteranomaly

43.1346, 36.4920, 81.8610



Tritanomaly

48.1964, 36.9163, 49.9327

Monochromacy



Original Color

55.4487, 37.5187, 84.4401



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

42.8671, 37.8840, 56.0919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4487, 37.5187, 84.4401 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(231, 124, 237)` looks like.

```
.text, #text, p{  
    color:rgb(231, 124, 237)  
}
```

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(231, 124, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 124, 237) }
```

Border

The CSS property to change the border of an element to XYZ 55.4487, 37.5187, 84.4401 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(231, 124, 237) }
```


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

```
.border{ border-color:rgb(231, 124, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 124, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 124, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 124, 237);  
box-shadow:4px 4px 4px 4px rgb(231, 124,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4487, 37.5187, 84.4401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 124, 237) }
```

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

```
.background{ background-color: rgb(231,  
124, 237) }
```

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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