

Converting Colors

XYZ(55.0064, 37.2133, 78.4907)

Have a look what the booklet for
XYZ(55.0064, 37.2133, 78.4907)
contains.

XYZ(55.1575, 37.3155, 78.4242)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(55.1575, 37.3155,
78.4242)**

Conversions

Conversions Part 1

Format	Color
Hex	EA7BE5
RGB	234, 123, 229
RGB Percent	92%, 48%, 90%
CMY	0.0823, 0.5176, 0.1020
CMYK	0.00, 0.47, 0.02, 0.08
HSL	303°, 73%, 70%
HSV	303°, 47%, 92%
XYZ	55.1575, 37.3155, 78.4242
YIQ	168.2730, 32.1300, 56.4980

Conversions

Conversions Part 2

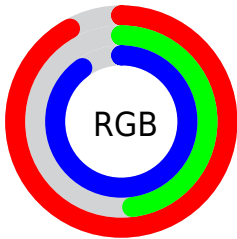
Format	Color
RYB	234, 123, 229
Decimal	15367141
CIELab	67.51, 57.08, -35.29
CIELCh	68, 67.111, 328.275
Yxy	37.3155, 0.3228, 0.2184
Android (android.graphics.Color)	4293557221 (0xFFEA7BE5)
YUV	168.2730, 29.9384, 57.6426
Hunter-Lab	61.0864, 54.2740, -33.3574

Details

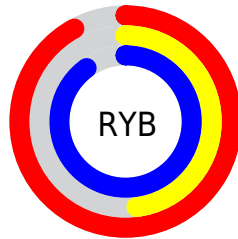
The XYZ color **55.1575, 37.3155, 78.4242** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.4891, 64.6165, 30.7098**, and the grayscale version is **37.2012, 39.1386, 42.6219**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **27.5144, 16.3815, 41.2469** is the 20% darker color. If you saturate the color by 10%, you get **52.4477, 32.1300, 76.7972**, and if you desaturate by 10%, it is **58.5644, 43.8920, 80.2887**.

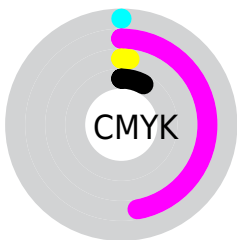
Distribution



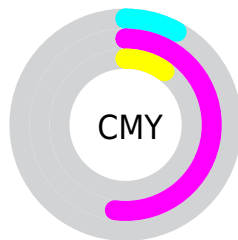
- Red (92%)
- Green (48%)
- Blue (90%)



- Red (92%)
- Yellow (48%)
- Blue (90%)



- Cyan (0%)
- Magenta (47%)
- Yellow (2%)
- Black (8%)



- Cyan (8%)
- Magenta (52%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.1575, 37.3155, 78.4242 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 55.1575, 37.3155, 78.4242 by changing the saturation by 10% instead.

55.1575, 37.3155,
78.4242

55.1575, 37.3155,
78.4242

396.6354,
334.6745, 509.1723

39.7622, 25.4519,
57.9040

96.9187, 71.0578,
132.9392

27.5366, 16.4140,
41.3173

124.0152, 93.7052,
167.7712

18.1153, 9.8176,
28.2455

155.7429,
120.7160, 208.2107

11.1330, 5.2782,
18.2702

192.4670,
152.4745, 254.6765

6.2243, 2.4114,
10.9727

234.5530,
189.3653, 307.5870

3.0239, 0.8317,
5.9345

282.3661,

1.1664, 0.0000,

231.7726, 367.3608

2.7372

336.2718,
280.0808, 434.4164

■ 0.0796, 0.0000,
0.9621

■ 0.0000, 0.0000,
0.0000

■ 55.1575, 37.3155,
78.4242

■ 55.1575, 37.3155,
78.4242

■ 52.4477, 32.1300,
76.7972

■ 58.5644, 43.8920,
80.2887

■ 50.3810, 28.2300,
75.3886

■ 62.7098, 51.9451,
82.4034

■ 48.9016, 25.5032,
74.1801

■ 67.6364, 61.5593,
84.7830

■ 47.9426, 23.8158,
73.1496

■ 73.3827, 72.8113,
87.4402

47.4152, 22.9902,
72.2672

79.9845, 85.7728,
90.3871

47.3134, 22.8452,
72.0527

84.7347, 95.0297,
92.7212

84.8878, 95.0909,
93.5273

85.0418, 95.1525,
94.3383

85.1967, 95.2145,
95.1540

Harmonies

Analogous

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



45.7185, 37.3155, 114.0111



55.1575, 37.3155, 78.4242



59.2199, 37.3155, 42.3644

Triad

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



55.1575, 37.3155, 78.4242



36.0677, 37.3155, 6.1911



20.7085, 37.3155, 73.9216

Complementary

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



55.1575, 37.3155, 78.4242



41.4891, 64.6165, 30.7098

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.



19.1046, 37.3155, 38.9441



55.1575, 37.3155, 78.4242



26.8758, 37.3155, 8.3244

Square

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



55.1575, 37.3155, 78.4242



46.9544, 37.3155, 8.9329



21.1285, 37.3155, 17.4798



26.0253, 37.3155, 110.6428

Rectangle

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



55.1575, 37.3155, 78.4242



57.8352, 37.3155, 25.2921



21.1285, 37.3155, 17.4798



19.7686, 37.3155, 61.1760

Sweetspot

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



55.1588, 37.3172, 78.4250



84.4419, 79.1966, 104.0918



30.6438, 24.5974, 80.9756



17.7628, 16.3425, 22.1344



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.



55.1588, 37.3172, 78.4250



63.7917, 39.1418, 93.3675



48.7344, 34.7474, 44.5948



15.6838, 15.3014, 18.8861



26.6003, 12.8428, 40.5578



2.0979, 1.0121, 3.2327

Inverse Universe

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



55.1588, 37.3172, 78.4250



63.7917, 39.1418, 93.3675



46.0570, 66.4436, 54.7637



15.6838, 15.3014, 18.8861



26.6003, 12.8428, 40.5578



2.0979, 1.0121, 3.2327

Previews

White Background



This preview shows how the XYZ color 55.1575, 37.3155, 78.4242 looks on a white background.

Color Contrast Check

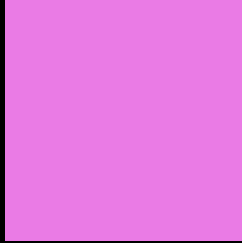
Large Text (above 18pt) WCAG AA × Fail

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 55.1575, 37.3155, 78.4242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

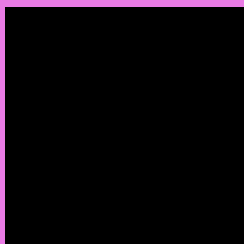
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.1575, 37.3155, 78.4242

Background



This preview shows how black text looks on a background with the XYZ color 55.1575, 37.3155, 78.4242.



This preview shows how white text looks on a background with the XYZ color 55.1575, 37.3155,

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

55.1575, 37.3155, 78.4242

Protanopia

40.3304, 37.8860, 99.7948

Deuteranopia

38.4996, 37.5041, 74.3171



Tritanopia

46.1621, 37.2917, 34.0432

Trichromacy



Original Color

55.1575, 37.3155, 78.4242



Protanomaly

43.3729, 36.1585, 91.8821



Deuteranomaly

43.0029, 36.3194, 75.9780



Tritanomaly

48.6567, 36.7988, 47.1862

Monochromacy



Original Color

55.1575, 37.3155, 78.4242



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

42.2607, 37.3806, 53.7030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.1575, 37.3155, 78.4242 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(234, 123, 229)` looks like.

```
.text, #text, p{  
    color:rgb(234, 123, 229)  
}
```

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(234, 123, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 123, 229) }
```

Border

The CSS property to change the border of an element to XYZ 55.1575, 37.3155, 78.4242 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(234, 123, 229) }
```


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

```
.border{ border-color:rgb(234, 123, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 123, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 123, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 123, 229);  
box-shadow:4px 4px 4px 4px rgb(234, 123,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 55.1575, 37.3155, 78.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 123, 229) }
```

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

```
.background{ background-color: rgb(234,  
123, 229) }
```

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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