

Converting Colors

XYZ(37.9777, 23.3244, 35.7581)

Have a look what the booklet for
XYZ(37.9777, 23.3244, 35.7581)
contains.

XYZ(37.9777, 23.3244, 35.7581)	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(37.9777, 23.3244,
35.7581)**

Conversions

Conversions Part 1

Format	Color
Hex	D952A0
RGB	217, 82, 160
RGB Percent	85%, 32%, 63%
CMY	0.1490, 0.6784, 0.3725
CMYK	0.00, 0.62, 0.26, 0.15
HSL	325°, 64%, 59%
HSV	325°, 62%, 85%
XYZ	37.9777, 23.3244, 35.7581
YIQ	131.2570, 55.4220, 52.8780

Conversions

Conversions Part 2

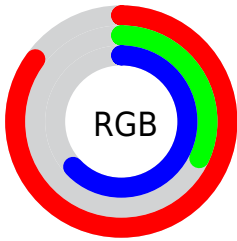
Format	Color
RYB	217, 82, 160
Decimal	14242464
CIELab	55.40, 60.49, -14.87
CIElCh	55, 62.292, 346.186
Yxy	23.3244, 0.3913, 0.2403
Android (android.graphics.Color)	4292432544 (0xFFD952A0)
YUV	131.2570, 14.1703, 75.1966
Hunter-Lab	48.2953, 55.8491, -10.0919

Details

The XYZ color **37.9777, 23.3244, 35.7581** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **32.9540, 53.2843, 32.9770**, and the grayscale version is **21.6034, 22.7284, 24.7513**.

A 20% lighter version of the original color is **62.5942, 44.3433, 69.5500**, and **16.9512, 8.6397, 14.9615** is the 20% darker color. If you saturate the color by 10%, you get **35.8201, 20.2449, 31.2289**, and if you desaturate by 10%, it is **40.7130, 27.4644, 40.7718**.

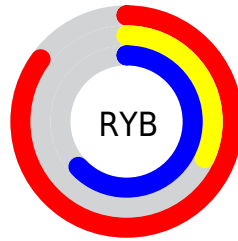
Distribution



Red (85%)

Green (32%)

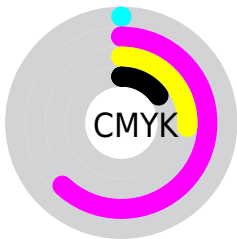
Blue (63%)



Red (85%)

Yellow (32%)

Blue (63%)

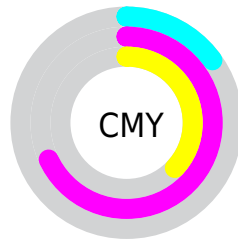


Cyan (0%)

Magenta (62%)

Yellow (26%)

Black (15%)



Cyan (15%)


Magenta (68%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9777, 23.3244, 35.7581 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 37.9777, 23.3244, 35.7581 by changing the saturation by 10% instead.

 37.9777, 23.3244,
35.7581


 37.9777, 23.3244,
35.7581


328.8068,
269.3868, 342.9074


 26.1425, 14.8332,
23.9592


 71.3781, 48.9254,
69.8234


 17.0635, 8.7024,
15.0914


 93.6740, 66.8041,
92.9268

 10.3754, 4.5476,
8.7363


 120.1875, 88.5807,
120.6356

 5.7127, 1.9844,
4.4751

 151.2840,
114.6397, 153.3682

 2.7102, 0.5984,
1.8894

187.3288,
145.3654, 191.5431

 1.0024, 0.0000,
0.4860

228.6873,

 0.0000, 0.0000,

181.1422, 235.5789

0.0000

275.7249,
222.3545, 285.8941

■ 37.9777, 23.3244,
35.7581

■ 37.9777, 23.3244,
35.7581

■ 35.8201, 20.2449,
31.2289

■ 40.7130, 27.4644,
40.7718

■ 34.1861, 18.1204,
27.1592

■ 44.0693, 32.7499,
46.2899

■ 33.0144, 16.8298,
23.5225

■ 48.0879, 39.2616,
52.3321

■ 32.3409, 16.2420,
20.9577

■ 52.8057, 47.0715,
58.9166

■ 58.2570, 56.2463,
66.0602

■ 64.4736, 66.8478,
73.7791

■ 71.4854, 78.9344,
82.0883

■ 79.1265, 92.1722,
90.9378

■ 80.4722, 92.7105,
98.0244

Harmonies

Analogous

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



33.3697, 23.3244, 62.5266



37.9777, 23.3244, 35.7581



37.7717, 23.3244, 16.0948

Triad

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



37.9777, 23.3244, 35.7581



18.6247, 23.3244, 3.4502



14.0949, 23.3244, 64.6060

Complementary

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



37.9777, 23.3244, 35.7581



32.9540, 53.2843, 32.9770

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.



11.5919, 23.3244, 37.7291



37.9777, 23.3244, 35.7581



13.8056, 23.3244, 6.9647

Square

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



37.9777, 23.3244, 35.7581



25.5411, 23.3244, 3.3422



11.4986, 23.3244, 17.2587



19.1079, 23.3244, 84.2375

Rectangle

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



37.9777, 23.3244, 35.7581



34.9046, 23.3244, 8.7583



11.4986, 23.3244, 17.2587



12.9830, 23.3244, 55.6327

Sweetspot

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



37.9784, 23.3256, 35.7585



78.3733, 71.6396, 87.9481



26.0657, 16.4706, 67.4511



16.3124, 14.5592, 18.2056



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.



37.9784, 23.3256, 35.7585



50.7233, 27.9642, 42.8944



33.6204, 21.5824, 12.8096



13.3698, 13.1770, 15.2088



19.6313, 9.8536, 12.9703



1.3145, 0.6554, 1.0652

Inverse Universe

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



37.9784, 23.3256, 35.7585



50.7233, 27.9642, 42.8944



39.4036, 55.8641, 66.9400



13.3698, 13.1770, 15.2088



19.6313, 9.8536, 12.9703



1.3145, 0.6554, 1.0652

Previews

White Background



This preview shows how the XYZ color 37.9777, 23.3244, 35.7581 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 37.9777, 23.3244, 35.7581 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 37.9777, 23.3244, 35.7581

Background



This preview shows how black text looks on a background with the XYZ color 37.9777, 23.3244, 35.7581.



This preview shows how white text looks on a background with the XYZ color 37.9777, 23.3244,

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

37.9777, 23.3244, 35.7581

Protanopia

24.6487, 23.6175, 54.8893

Deuteranopia

24.0489, 23.5835, 33.4216



Tritanopia

33.7325, 23.3221, 15.2941

Trichromacy



Original Color

37.9777, 23.3244, 35.7581

Protanomaly

26.9263, 21.6717, 47.0199

Deuteranomaly

27.6318, 22.3175, 34.3039

Tritanomaly

35.0478, 23.2084, 21.3713

Monochromacy



Original Color

37.9777, 23.3244, 35.7581

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

25.6879, 21.4446, 28.3765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9777, 23.3244, 35.7581 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(217, 82, 160)` looks like.

```
.text, #text, p{  
    color:rgb(217, 82, 160)  
}
```

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(217, 82, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 82, 160) }
```

Border

The CSS property to change the border of an element to XYZ 37.9777, 23.3244, 35.7581 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(217, 82, 160) }
```


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

```
.border{ border-color:rgb(217, 82, 160) }
```

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

Here you see how a box with a 4 pixel rgb(217, 82, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 82, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 82, 160);  
box-shadow:4px 4px 4px 4px rgb(217, 82,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9777, 23.3244, 35.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 82, 160) }
```

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

```
.background{ background-color: rgb(217, 82,  
160) }
```

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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