

Converting Colors

XYZ(42.2938, 23.1526, 36.8859)

Have a look what the booklet for
XYZ(42.2938, 23.1526, 36.8859)
contains.

XYZ(42.2860, 23.1349, 36.8871)	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(42.2860, 23.1349,
36.8871)**

Conversions

Conversions Part 1

Format	Color
Hex	EB38A3
RGB	235, 56, 163
RGB Percent	92%, 22%, 64%
CMY	0.0784, 0.7803, 0.3608
CMYK	0.00, 0.76, 0.31, 0.08
HSL	324°, 82%, 57%
HSV	324°, 76%, 92%
XYZ	42.2860, 23.1349, 36.8871
YIQ	121.7190, 72.3370, 71.2250

Conversions

Conversions Part 2

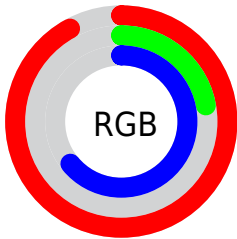
Format	Color
R _Y B	235, 56, 163
Decimal	15415459
CIE Lab	55.21, 74.76, -16.65
CIE LCh	55, 76.587, 347.447
Yxy	23.1349, 0.4133, 0.2261
Android (android.graphics.Color)	4293605539 (0xFFEB38A3)
YUV	121.7190, 20.3515, 99.3474
Hunter-Lab	48.0988, 72.7554, -11.8006

Details

The XYZ color **42.2860, 23.1349, 36.8871** is a light color, and the websafe version is hex **CC3399**. The color can be described as light washed rose. A complement of this color would be **35.2371, 61.8167, 30.5010**, and the grayscale version is **18.3284, 19.2829, 20.9991**.

A 20% lighter version of the original color is **60.6114, 39.7549, 70.8086**, and **20.3248, 10.1464, 15.9261** is the 20% darker color. If you saturate the color by 10%, you get **40.5865, 21.0411, 32.2967**, and if you desaturate by 10%, it is **44.5842, 26.3244, 41.9898**.

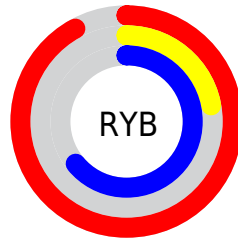
Distribution



Red (92%)

Green (22%)

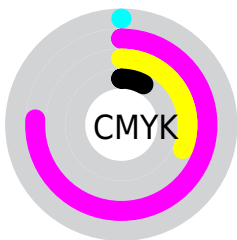
Blue (64%)



Red (92%)

Yellow (22%)

Blue (64%)

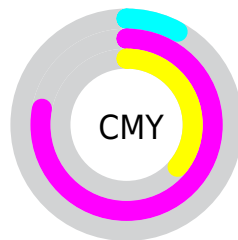


Cyan (0%)

Magenta (76%)

Yellow (31%)

Black (8%)



Cyan (8%)


Magenta (78%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2860, 23.1349, 36.8871 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 42.2860, 23.1349, 36.8871 by changing the saturation by 10% instead.


 42.2860, 23.1349,
36.8871


 42.2860, 23.1349,
36.8871


346.6386,
268.4171, 347.9754

 29.5174, 14.6931,
24.8250

 77.8947, 48.6147,
71.5835


 19.6188, 8.6043,
15.7289


 101.4656, 66.4216,
95.0549


 12.2249, 4.4840,
9.1802


 129.3679, 88.1190,
123.1664

 6.9703, 1.9478,
4.7605

 161.9670,
114.0912, 156.3366

 3.4897, 0.5769,
2.0512

 199.6283,
144.7228, 194.9841

 1.4177, 0.0000,
0.5865

242.7171,

 0.2688, 0.0000,

180.3980, 239.5274

0.0000

291.5987,
221.5013, 290.3850

■ 0.0000, 0.0000,
0.0000

■ 42.2860, 23.1349,
36.8871

■ 42.2860, 23.1349,
36.8871

■ 40.5865, 21.0411,
32.2967

■ 44.5842, 26.3244,
41.9898

■ 39.4001, 19.8743,
28.1828


■ 47.5464, 30.7388,
47.6327


■ 39.0293, 19.5695,
26.7127


■ 51.2312, 36.4929,
53.8418


■ 55.6900, 43.6872,
60.6404

■ 60.9692, 52.4128,
68.0501

 67.1113, 62.7530,
76.0908

 74.1560, 74.7850,
84.7816

 82.1403, 88.5812,
94.1403

 86.9765, 95.9644,
102.8099

Harmonies

Analogous

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



36.4794, 23.1349, 72.4083



42.2860, 23.1349, 36.8871



41.7259, 23.1349, 13.5349

Triad

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



42.2860, 23.1349, 36.8871



17.4140, 23.1349, 1.6723



12.6304, 23.1349, 78.3166

Complementary

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



42.2860, 23.1349, 36.8871



35.2371, 61.8167, 30.5010

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.



9.7277, 23.1349, 42.1318



42.2860, 23.1349, 36.8871



11.9560, 23.1349, 4.8680

Square

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



42.2860, 23.1349, 36.8871



25.7639, 23.1349, 1.5072



9.5180, 23.1349, 16.2709



18.6021, 23.1349, 104.9050

Rectangle

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



42.2860, 23.1349, 36.8871



37.8163, 23.1349, 6.0244



9.5180, 23.1349, 16.2709



11.3391, 23.1349, 66.0977

Sweetspot

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



42.2867, 23.1361, 36.8875



75.5404, 66.6905, 84.7945



25.2534, 13.3866, 79.8503



15.6254, 13.3656, 17.4202



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.



42.2867, 23.1361, 36.8875



48.0364, 24.4672, 36.2128



36.9089, 20.9850, 8.5681



15.4434, 15.2052, 17.6205



21.7863, 10.9172, 15.2079



1.7581, 0.8762, 1.4436

Inverse Universe

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



42.2867, 23.1361, 36.8875



48.0364, 24.4672, 36.2128



43.8776, 65.2729, 76.0012



15.4434, 15.2052, 17.6205



21.7863, 10.9172, 15.2079



1.7581, 0.8762, 1.4436

Previews

White Background



This preview shows how the XYZ color 42.2860, 23.1349, 36.8871 looks on a white background.

Color Contrast Check

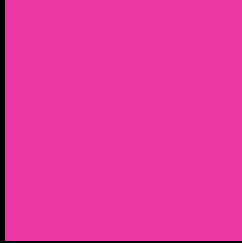
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.2860, 23.1349, 36.8871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

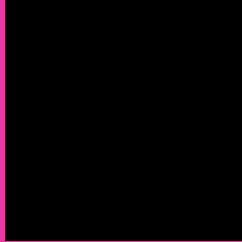
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.2860, 23.1349, 36.8871

Background



This preview shows how black text looks on a background with the XYZ color 42.2860, 23.1349, 36.8871.



This preview shows how white text looks on a background with the XYZ color 42.2860, 23.1349,

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

42.2860, 23.1349, 36.8871

Protanopia

25.5229, 23.5758, 68.1711

Deuteranopia

23.7534, 23.2347, 33.3698



Tritanopia

36.8215, 23.0512, 11.1030

Trichromacy



Original Color

42.2860, 23.1349, 36.8871



Protanomaly

27.1410, 20.0276, 55.2586



Deuteranomaly

27.8504, 20.7077, 34.4274



Tritanomaly

38.1889, 22.6877, 17.9892

Monochromacy



Original Color

42.2860, 23.1349, 36.8871



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

23.9873, 18.3280, 25.9403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2860, 23.1349, 36.8871 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(235, 56, 163)` looks like.

```
.text, #text, p{  
    color:rgb(235, 56, 163)  
}
```

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(235, 56, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 56, 163) }
```

Border

The CSS property to change the border of an element to XYZ 42.2860, 23.1349, 36.8871 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(235, 56, 163) }
```


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

```
.border{ border-color:rgb(235, 56, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 56, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 56, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 56, 163);  
box-shadow:4px 4px 4px 4px rgb(235, 56,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2860, 23.1349, 36.8871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 56, 163) }
```

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

```
.background{ background-color: rgb(235, 56,  
163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor