

Converting Colors

XYZ(38.1947, 18.9355, 35.8786)

Have a look what the booklet for
XYZ(38.1947, 18.9355, 35.8786)
contains.

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Color

**XYZ(38.2001, 18.9395,
35.8247)**

Conversions

Conversions Part 1

Format	Color
Hex	E300A2
RGB	227, 0, 162
RGB Percent	89%, 0%, 64%
CMY	0.1098, 0.9998, 0.3647
CMYK	0.00, 1.00, 0.29, 0.11
HSL	317°, 100%, 45%
HSV	317°, 100%, 89%
XYZ	38.2001, 18.9395, 35.8247
YIQ	86.3410, 83.2900, 98.5060

Conversions

Conversions Part 2

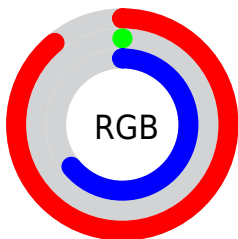
Format	Color
R_{YB}	227, 0, 162
Decimal	14876834
CIE _{Lab}	50.62, 81.85, -23.22
CIE _{LCh}	51, 85.077, 344.164
Yxy	18.9395, 0.4109, 0.2037
Android (android.graphics.Color)	4293066914 (0xFFE300A2)
YUV	86.3410, 37.2999, 123.3579
Hunter-Lab	43.5195, 80.5226, -18.3431

Details

The XYZ color **38.2001, 18.9395, 35.8247** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **28.4251, 55.3207, 14.1877**, and the grayscale version is **8.8339, 9.2940, 10.1211**.

A 20% lighter version of the original color is **57.8566, 34.4542, 69.2466**, and **18.5404, 9.2328, 15.5568** is the 20% darker color. If you saturate the color by 10%, you get **38.1991, 18.9391, 35.8188**, and if you desaturate by 10%, it is **39.0947, 19.7795, 39.0485**.

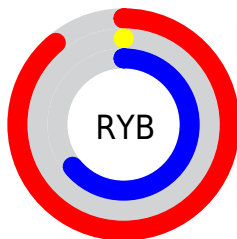
Distribution



Red (89%)

Green (0%)

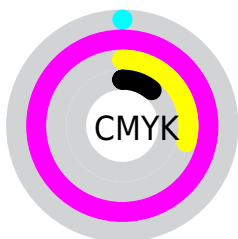
Blue (64%)



Red (89%)

Yellow (0%)

Blue (64%)

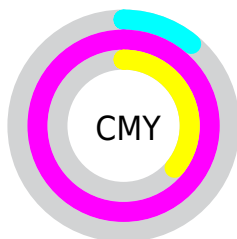


Cyan (0%)

Magenta (100%)

Yellow (29%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2001, 18.9395, 35.8247 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 38.2001, 18.9395, 35.8247 by changing the saturation by 10% instead.


 38.2001, 18.9395,
35.8247


 38.2001, 18.9395,
35.8247


329.7436,
246.1146, 343.2079


 26.3159, 11.6266,
24.0102


 71.7167, 41.6318,
69.9274


 17.1941, 6.4899,
15.1289


 94.0798, 57.7800,
93.0527


 10.4691, 3.1452,
8.7623


 120.6666, 77.6421,
120.7854

 5.7757, 1.2080,
4.4918

 151.8425,
101.6025, 153.5439

 2.7486, 0.0682,
1.8988

 187.9727,
130.0455, 191.7469

 1.0222, 0.0000,
0.4920

 229.4228,

 0.0000, 0.0000,

163.3556, 235.8129

0.0000

276.5580,
201.9172, 286.1604

■ 38.2001, 18.9395,
35.8247

■ 38.2001, 18.9395,
35.8247

■ 38.1991, 18.9391,
35.8188

■ 39.0947, 19.7795,
39.0485

■ 40.3722, 21.3371,
42.5495

■ 42.1468, 23.8396,
46.3679

■ 44.4841, 27.4177,
50.5275

■ 47.4393, 32.1810,
55.0490

■ 51.0609, 38.2257,
59.9503

■ 55.3921, 45.6382,
65.2480

■ 60.4729, 54.4972,
70.9571

■ 66.3397, 64.8753,
77.0918

Harmonies

Analogous

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



31.6094, 18.9395, 74.0559



38.2001, 18.9395, 35.8247



38.3999, 18.9395, 11.3179

Triad

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



38.2001, 18.9395, 35.8247



14.3629, 18.9395, 0.3341



8.7900, 18.9395, 71.8614

Complementary

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



38.2001, 18.9395, 35.8247



28.4251, 55.3207, 14.1877

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.



6.5171, 18.9395, 33.9911



38.2001, 18.9395, 35.8247



8.9962, 18.9395, 2.1225

Square

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



38.2001, 18.9395, 35.8247



22.7303, 18.9395, 0.3790



6.5787, 18.9395, 10.4743



13.9786, 18.9395, 103.5883

Rectangle

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



38.2001, 18.9395, 35.8247



34.7523, 18.9395, 4.1080



6.5787, 18.9395, 10.4743



7.7423, 18.9395, 58.5453

Sweetspot

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



38.2007, 18.9405, 35.8250



71.9810, 59.1885, 84.7892



16.0028, 6.6488, 73.1131



14.8717, 11.7479, 17.5093



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.



38.2007, 18.9405, 35.8250



49.6802, 24.6361, 46.3755



32.2381, 16.5555, 4.4264



14.8099, 14.5411, 17.1993



22.3305, 11.0664, 21.1670



1.6897, 0.8336, 1.7726

Inverse Universe

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



38.2007, 18.9405, 35.8250



49.6802, 24.6361, 46.3755



35.4882, 58.1459, 51.3811



14.8099, 14.5411, 17.1993



22.3305, 11.0664, 21.1670



1.6897, 0.8336, 1.7726

Previews

White Background



This preview shows how the XYZ color 38.2001, 18.9395, 35.8247 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 38.2001, 18.9395, 35.8247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

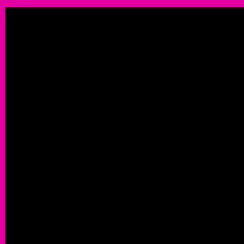
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.2001, 18.9395, 35.8247

Background



This preview shows how black text looks on a background with the XYZ color 38.2001, 18.9395, 35.8247.



This preview shows how white text looks on a background with the XYZ color 38.2001, 18.9395,

35.8247.

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

38.2001, 18.9395, 35.8247

Protanopia

22.9451, 19.9553, 78.2437

Deuteranopia

19.9101, 19.5892, 32.0099



Tritanopia

32.3617, 19.2877, 7.3274

Trichromacy



Original Color

38.2001, 18.9395, 35.8247



Protanomaly

21.6102, 13.6901, 59.8960



Deuteranomaly

22.6014, 14.8045, 32.6767



Tritanomaly

33.6226, 18.2332, 14.3176

Monochromacy



Original Color

38.2001, 18.9395, 35.8247



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.7200, 9.2656, 16.9322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2001, 18.9395, 35.8247 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(227, 0, 162)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 162)  
}
```

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(227, 0, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 162) }
```

Border

The CSS property to change the border of an element to XYZ 38.2001, 18.9395, 35.8247 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(227, 0, 162) }
```


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

```
.border{ border-color:rgb(227, 0, 162) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 162);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2001, 18.9395, 35.8247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 162) }
```

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

```
.background{ background-color: rgb(227, 0,  
162) }
```

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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