

Converting Colors

XYZ(38.0957, 19.2686, 27.9267)

Have a look what the booklet for
XYZ(38.0957, 19.2686, 27.9267)
contains.

XYZ(38.1330, 19.2904, 28.0991)	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(38.1330, 19.2904,
28.0991)**

Conversions

Conversions Part 1

Format	Color
Hex	E70D90
RGB	231, 13, 144
RGB Percent	91%, 5%, 56%
CMY	0.0941, 0.9489, 0.4353
CMYK	0.00, 0.94, 0.38, 0.09
HSL	324°, 89%, 48%
HSV	324°, 94%, 91%
XYZ	38.1330, 19.2904, 28.0991
YIQ	93.1160, 87.8770, 86.9570

Conversions

Conversions Part 2

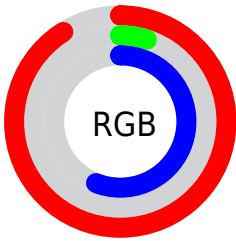
Format	Color
R_{YB}	231, 13, 144
Decimal	15142288
CIE _{Lab}	51.03, 79.87, -11.77
CIE _{LCh}	51, 80.733, 351.615
Yxy	19.2904, 0.4459, 0.2256
Android (android.graphics.Color)	4293332368 (0xFFE70D90)
YUV	93.1160, 25.0858, 120.9243
Hunter-Lab	43.9208, 78.1160, -7.1872

Details

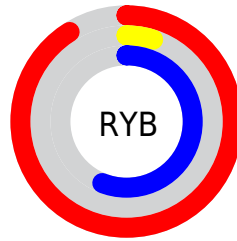
The XYZ color **38.1330, 19.2904, 28.0991** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **31.0448, 58.1587, 21.6568**, and the grayscale version is **10.3659, 10.9057, 11.8763**.

A 20% lighter version of the original color is **55.8007, 34.0726, 57.0617**, and **18.3826, 9.2432, 11.4049** is the 20% darker color. If you saturate the color by 10%, you get **37.6002, 18.8470, 26.0035**, and if you desaturate by 10%, it is **39.3583, 20.5665, 32.1280**.

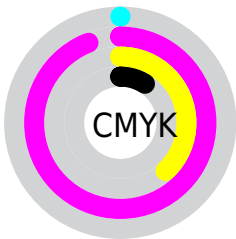
Distribution



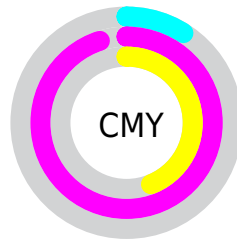
- Red (91%)
- Green (5%)
- Blue (56%)



- Red (91%)
- Yellow (5%)
- Blue (56%)



- Cyan (0%)
- Magenta (94%)
- Yellow (38%)
- Black (9%)





- Cyan (9%)
- Magenta (95%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1330, 19.2904, 28.0991 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 38.1330, 19.2904, 28.0991 by changing the saturation by 10% instead.

 38.1330, 19.2904,
28.0991

 38.1330, 19.2904,
28.0991


329.4612,
248.0473, 306.8670

 26.2636, 11.8803,
18.1607


 71.6145, 42.2242,
57.6676


 17.1547, 6.6622,
10.8948


 93.9574, 58.5168,
78.1348


 10.4408, 3.2518,
5.8828


 120.5221, 78.5389,
102.9487

 5.7567, 1.2645,
2.7063

 151.6741,
102.6750, 132.5277

 2.7370, 0.1135,
0.9466

 187.7786,
131.3095, 167.2906

 1.0162, 0.0000,
0.0000

 229.2010,

 0.0000, 0.0000,

164.8268, 207.6557

0.0000

276.3068,
203.6112, 254.0416

■ 38.1330, 19.2904,
28.0991

■ 38.1330, 19.2904,
28.0991

■ 37.6002, 18.8470,
26.0035

■ 39.3583, 20.5665,
32.1280

■ 41.0924, 22.7662,
36.6170

■ 43.4122, 26.0409,
41.5980

■ 46.3802, 30.5138,
47.0981

■ 50.0507, 36.2914,
53.1413

■ 54.4717, 43.4680,
59.7493

■ 59.6872, 52.1296,
66.9424

■ 65.7372, 62.3547,
74.7394

■ 72.6594, 74.2166,
83.1582

Harmonies

Analogous

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



33.2155, 19.2904, 61.9105



38.1330, 19.2904, 28.0991



36.6589, 19.2904, 8.6030

Triad

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



38.1330, 19.2904, 28.0991



13.2356, 19.2904, 0.9032



10.3509, 19.2904, 77.8561

Complementary

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



38.1330, 19.2904, 28.0991



31.0448, 58.1587, 21.6568

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.



7.4359, 19.2904, 41.7515



38.1330, 19.2904, 28.0991



8.7328, 19.2904, 3.8126

Square

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



38.1330, 19.2904, 28.0991



20.6689, 19.2904, 0.5666



6.9449, 19.2904, 15.2166



16.1837, 19.2904, 101.5891

Rectangle

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



38.1330, 19.2904, 28.0991



32.3946, 19.2904, 3.2350



6.9449, 19.2904, 15.2166



9.0770, 19.2904, 65.9019

Sweetspot

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



38.1336, 19.2915, 28.0994



72.0937, 60.8935, 80.2656



19.4548, 8.5775, 76.2317



14.8342, 12.0445, 16.3510



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.



38.1336, 19.2915, 28.0994



47.0075, 23.5670, 32.3012



33.4570, 17.4209, 3.4730



14.7388, 14.5127, 16.8247



21.1421, 10.5910, 14.9090



1.6079, 0.8009, 1.3416

Inverse Universe

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



38.1336, 19.2915, 28.0994



47.0075, 23.5670, 32.3012



39.8312, 61.6732, 67.9249



14.7388, 14.5127, 16.8247



21.1421, 10.5910, 14.9090



1.6079, 0.8009, 1.3416

Previews

White Background



This preview shows how the XYZ color 38.1330, 19.2904, 28.0991 looks on a white background.

Color Contrast Check

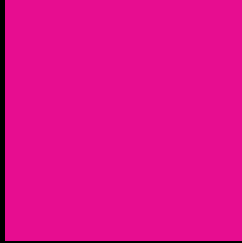
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.1330, 19.2904, 28.0991 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 38.1330, 19.2904, 28.0991

Background



This preview shows how black text looks on a background with the XYZ color 38.1330, 19.2904, 28.0991.



This preview shows how white text looks on a background with the XYZ color 38.1330, 19.2904,

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

38.1330, 19.2904, 28.0991

Protanopia

21.7875, 19.9154, 61.0883

Deuteranopia

19.9532, 19.5820, 25.2823



Tritanopia

33.6927, 19.5211, 6.2671

Trichromacy



Original Color

38.1330, 19.2904, 28.0991



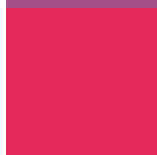
Protanomaly

22.1371, 14.7927, 46.4883



Deuteranomaly

23.1820, 15.6793, 25.8493



Tritanomaly

34.7112, 18.9052, 11.7171

Monochromacy



Original Color

38.1330, 19.2904, 28.0991



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

16.0857, 10.6763, 16.5422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1330, 19.2904, 28.0991 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, 13, 144)` looks like.

```
.text, #text, p{  
    color:rgb(231, 13, 144)  
}
```

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, 13, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 13, 144) }
```

Border

The CSS property to change the border of an element to XYZ 38.1330, 19.2904, 28.0991 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, 13, 144) }
```


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

```
.border{ border-color:rgb(231, 13, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 13, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 13, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 13, 144);  
box-shadow:4px 4px 4px 4px rgb(231, 13,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1330, 19.2904, 28.0991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 13, 144) }
```

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

```
.background{ background-color: rgb(231, 13,  
144) }
```

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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