

Converting Colors

XYZ(32.4884, 15.2687, 12.6015)

Have a look what the booklet for
XYZ(32.4884, 15.2687, 12.6015)
contains.

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Color

**XYZ(33.2090, 16.8706,
12.8153)**

Conversions

Conversions Part 1

Format	Color
Hex	E10061
RGB	225, 0, 97
RGB Percent	88%, 0%, 38%
CMY	0.1176, 0.9998, 0.6196
CMYK	0.00, 1.00, 0.57, 0.12
HSL	334°, 100%, 44%
HSV	334°, 100%, 88%
XYZ	33.2090, 16.8706, 12.8153
YIQ	78.3330, 102.9630, 77.8670

Conversions

Conversions Part 2

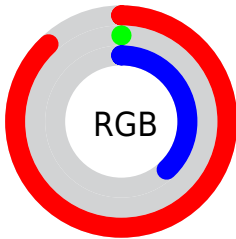
Format	Color
RYB	225, 0, 97
Decimal	14745697
CIELab	48.10, 75.88, 12.50
CIElCh	48, 76.906, 9.352
Yxy	16.8706, 0.5280, 0.2682
Android (android.graphics.Color)	4292935777 (0xFFE10061)
YUV	78.3330, 9.2028, 128.6270
Hunter-Lab	41.0738, 72.4415, 10.2528

Details

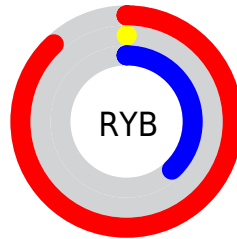
The XYZ color **33.2090, 16.8706, 12.8153** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **30.8252, 55.4103, 29.5096**, and the grayscale version is **7.2791, 7.6582, 8.3398**.

A 20% lighter version of the original color is **50.3336, 31.0209, 30.9385**, and **15.4978, 7.9204, 3.8439** is the 20% darker color. If you saturate the color by 10%, you get **33.2076, 16.8700, 12.8084**, and if you desaturate by 10%, it is **34.1525, 17.7240, 16.3167**.

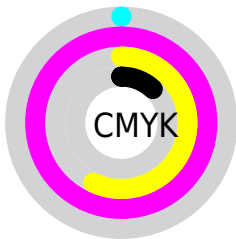
Distribution



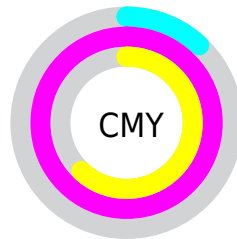
- Red (88%)
- Green (0%)
- Blue (38%)



- Red (88%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (12%)




- Cyan (12%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2090, 16.8706, 12.8153 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 33.2090, 16.8706, 12.8153 by changing the saturation by 10% instead.


 33.2090, 16.8706,
12.8153


 33.2090, 16.8706,
12.8153


308.2388,
234.4256, 220.8966

 22.4466, 10.1423,
7.1723


 64.0542, 38.1032,
31.6579


 14.3039, 5.4934,
3.4900


 84.8677, 53.3762,
45.6945


 8.4154, 2.5396,
1.3499


 109.7623, 72.2662,
63.3660

 4.4159, 0.8964,
0.1022

 139.1033, 95.1577,
85.0910

 1.9400, 0.0000,
0.0000

 173.2561,
122.4350, 111.2881

 0.5999, 0.0000,
0.0000

 212.5860,

 0.0000, 0.0000,

154.4824, 142.3756

0.0000

257.4585,
191.6845, 178.7723

■ 33.2090, 16.8706,
12.8153

■ 33.2090, 16.8706,
12.8153

■ 33.2076, 16.8700,
12.8084

■ 34.1525, 17.7240,
16.3167

■ 35.5420, 19.3082,
20.4634

■ 37.4932, 21.8482,
25.3138

■ 40.0736, 25.4730,
30.9094

■ 43.3404, 30.2911,
37.2872

■ 47.3442, 36.3981,
44.4810

■ 52.1303, 43.8793,
52.5224

■ 57.7403, 52.8131,
61.4410

■ 64.2129, 63.2716,
71.2646

Harmonies

Analogous

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



32.1130, 16.8706, 35.4819



33.2090, 16.8706, 12.8153



28.7782, 16.8706, 3.2041

Triad

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



33.2090, 16.8706, 12.8153



8.9546, 16.8706, 1.8100



11.7615, 16.8706, 82.6984

Complementary

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



33.2090, 16.8706, 12.8153



30.8252, 55.4103, 29.5096

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.



7.7494, 16.8706, 54.9953



33.2090, 16.8706, 12.8153



6.4850, 16.8706, 7.8933

Square

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



33.2090, 16.8706, 12.8153



13.9559, 16.8706, 0.4923



6.1191, 16.8706, 25.3327



18.3110, 16.8706, 88.1399

Rectangle

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



33.2090, 16.8706, 12.8153



23.8754, 16.8706, 1.1871



6.1191, 16.8706, 25.3327



10.1318, 16.8706, 75.0577

Sweetspot

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



33.2094, 16.8716, 12.8155



69.0770, 58.0269, 69.4973



22.4213, 9.9895, 71.9803



14.1820, 11.4720, 13.8772



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.



33.2094, 16.8716, 12.8155



44.0491, 22.3837, 16.7227



31.2230, 16.3505, 1.5118



13.9512, 13.7981, 15.5135



19.1919, 9.7438, 7.6762



1.3745, 0.6931, 0.7650

Inverse Universe

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



33.2094, 16.8716, 12.8155



44.0491, 22.3837, 16.7227



36.6385, 51.5312, 79.2493



13.9512, 13.7981, 15.5135



19.1919, 9.7438, 7.6762



1.3745, 0.6931, 0.7650

Previews

White Background



This preview shows how the XYZ color 33.2090, 16.8706, 12.8153 looks on a white 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

Black Background



This preview shows how the XYZ color 33.2090, 16.8706, 12.8153 looks on a black 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

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

XYZ 33.2090, 16.8706, 12.8153

Background



This preview shows how black text looks on a background with the XYZ color 33.2090, 16.8706, 12.8153.

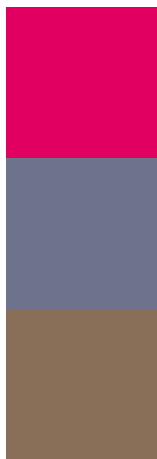


This preview shows how white text looks on a background with the XYZ color 33.2090, 16.8706,

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

33.2090, 16.8706, 12.8153

Protanopia

17.3689, 17.4996, 27.6616

Deuteranopia

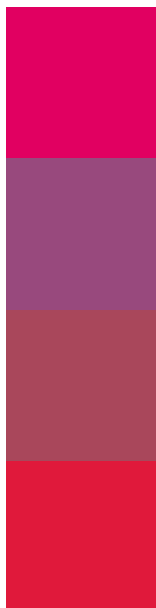
17.7624, 17.3918, 11.6533



Tritanopia

31.4909, 17.2726, 3.4245

Trichromacy



Original Color

33.2090, 16.8706, 12.8153

Protanomaly

19.0331, 12.9212, 20.8929

Deuteranomaly

20.5038, 13.6968, 11.4606

Tritanomaly

31.8775, 16.8583, 5.7115

Monochromacy



Original Color

33.2090, 16.8706, 12.8153

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.1404, 7.7624, 9.4527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2090, 16.8706, 12.8153 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(225, 0, 97)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 97)  
}
```

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(225, 0, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 97) }
```

Border

The CSS property to change the border of an element to XYZ 33.2090, 16.8706, 12.8153 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(225, 0, 97) }
```


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

```
.border{ border-color:rgb(225, 0, 97) }
```

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

Here you see how a box with a 4 pixel rgb(225, 0, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 97);  
box-shadow:4px 4px 4px 4px rgb(225, 0, 97)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.2090, 16.8706, 12.8153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 97) }
```

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

```
.background{ background-color: rgb(225, 0,  
97) }
```

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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