

Converting Colors

XYZ(32.7087, 14.6529, 25.9695)

Have a look what the booklet for
XYZ(32.7087, 14.6529, 25.9695)
contains.

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Color

**XYZ(33.9470, 16.9535,
26.2941)**

Conversions

Conversions Part 1

Format	Color
Hex	DB008C
RGB	219, 0, 140
RGB Percent	86%, 0%, 55%
CMY	0.1412, 0.9998, 0.4510
CMYK	0.00, 1.00, 0.36, 0.14
HSL	322°, 100%, 43%
HSV	322°, 100%, 86%
XYZ	33.9470, 16.9535, 26.2941
YIQ	81.4410, 85.5840, 89.9680

Conversions

Conversions Part 2

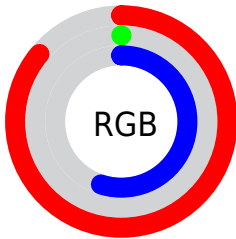
Format	Color
R_{YB}	219, 0, 140
Decimal	14352524
CIE _{Lab}	48.20, 78.02, -13.85
CIE _{LCh}	48, 79.242, 349.931
Yxy	16.9535, 0.4398, 0.2196
Android (android.graphics.Color)	4292542604 (0xFFDB008C)
YUV	81.4410, 28.8696, 120.6392
Hunter-Lab	41.1746, 75.1112, -9.0403

Details

The XYZ color **33.9470, 16.9535, 26.2941** 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 **26.7449, 51.2284, 15.8839**, and the grayscale version is **7.8459, 8.2545, 8.9891**.

A 20% lighter version of the original color is **54.8920, 32.9837, 54.5123**, and **15.9460, 8.0073, 10.3780** is the 20% darker color. If you saturate the color by 10%, you get **33.9459, 16.9530, 26.2881**, and if you desaturate by 10%, it is **34.8367, 17.7667, 29.5695**.

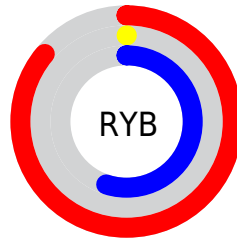
Distribution



Red (86%)

Green (0%)

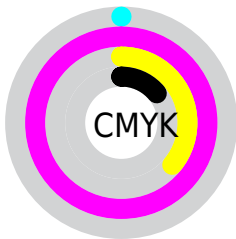
Blue (55%)



Red (86%)

Yellow (0%)

Blue (55%)

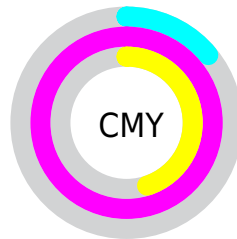


Cyan (0%)

Magenta (100%)

Yellow (36%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9470, 16.9535, 26.2941 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 33.9470, 16.9535, 26.2941 by changing the saturation by 10% instead.

 33.9470, 16.9535,
26.2941


 33.9470, 16.9535,
26.2941


311.4857,
234.9043, 297.8741


 23.0156, 10.2013,
16.8161


 65.1961, 38.2458,
54.7389


 14.7258, 5.5327,
9.9429


 86.2445, 53.5548,
74.5428


 8.7122, 2.5631,
5.2560


 111.3959, 72.4847,
98.6256

 4.6095, 0.9081,
2.3369

 141.0156, 95.4202,
127.4061

 2.0524, 0.0000,
0.7518

 175.4692,
122.7455, 161.3026

 0.6632, 0.0000,
0.0000

 215.1218,

 0.0000, 0.0000,

154.8450, 200.7337

0.0000

260.3389,
192.1031, 246.1181

■ 33.9470, 16.9535,
26.2941

■ 33.9470, 16.9535,
26.2941

■ 33.9459, 16.9530,
26.2881

■ 34.8367, 17.7667,
29.5695

■ 36.0924, 19.2434,
33.1774

■ 37.8209, 21.5963,
37.1575

■ 40.0826, 24.9446,
41.5341

■ 42.9284, 29.3890,
46.3278

■ 46.4030, 35.0176,
51.5573

■ 50.5465, 41.9094,
57.2396

■ 55.3957, 50.1369,
63.3906

■ 60.9845, 59.7668,
70.0250

Harmonies

Analogous

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



29.1981, 16.9535, 57.5446



33.9470, 16.9535, 26.2941



32.9448, 16.9535, 7.9748

Triad

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



33.9470, 16.9535, 26.2941



11.8406, 16.9535, 0.6020



8.7448, 16.9535, 68.4539

Complementary

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



33.9470, 16.9535, 26.2941



26.7449, 51.2284, 15.8839

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.



6.2892, 16.9535, 35.5401



33.9470, 16.9535, 26.2941



7.6723, 16.9535, 2.8936

Square

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



33.9470, 16.9535, 26.2941



18.6571, 16.9535, 0.3555



5.9659, 16.9535, 12.3598



13.8128, 16.9535, 91.4701

Rectangle

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



33.9470, 16.9535, 26.2941



29.2299, 16.9535, 2.9148



5.9659, 16.9535, 12.3598



7.6592, 16.9535, 57.3892

Sweetspot

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



33.9475, 16.9545, 26.2944



71.1803, 58.8682, 80.5730



15.8213, 6.6799, 67.4732



14.6802, 11.6713, 16.5004



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.



33.9475, 16.9545, 26.2944



47.8505, 23.9042, 36.7403



29.4868, 15.1702, 2.8046



13.4046, 13.1909, 15.3919



20.1825, 10.0740, 15.8727



1.3482, 0.6689, 1.2426

Inverse Universe

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



33.9475, 16.9545, 26.2944



47.8505, 23.9042, 36.7403



34.2116, 54.2151, 55.2031



13.4046, 13.1909, 15.3919



20.1825, 10.0740, 15.8727



1.3482, 0.6689, 1.2426

Previews

White Background



This preview shows how the XYZ color 33.9470, 16.9535, 26.2941 looks on a white background.

Color Contrast Check

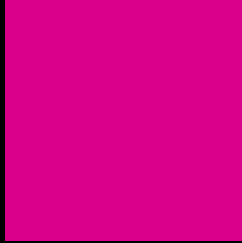
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9470, 16.9535, 26.2941 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 33.9470, 16.9535, 26.2941

Background



This preview shows how black text looks on a background with the XYZ color 33.9470, 16.9535, 26.2941.



This preview shows how white text looks on a background with the XYZ color 33.9470, 16.9535,

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

33.9470, 16.9535, 26.2941

Protanopia

19.5845, 17.8245, 57.0518

Deuteranopia

17.8195, 17.4869, 23.5552



Tritanopia

29.8363, 17.3239, 5.6422

Trichromacy



Original Color

33.9470, 16.9535, 26.2941



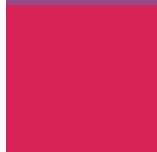
Protanomaly

19.4717, 12.6466, 43.5342



Deuteranomaly

20.5251, 13.5241, 24.0829



Tritanomaly

30.6402, 16.4891, 10.5846

Monochromacy



Original Color

33.9470, 16.9535, 26.2941



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9863, 8.2406, 13.4765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9470, 16.9535, 26.2941 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(219, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 140)  
}
```

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(219, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 140) }
```

Border

The CSS property to change the border of an element to XYZ 33.9470, 16.9535, 26.2941 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(219, 0, 140) }
```


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

```
.border{ border-color:rgb(219, 0, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9470, 16.9535, 26.2941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 140) }
```

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

```
.background{ background-color: rgb(219, 0,  
140) }
```

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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