

Converting Colors

XYZ(33.0631, 16.5230, 25.1466)

Have a look what the booklet for
XYZ(33.0631, 16.5230, 25.1466)
contains.

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Color

**XYZ(33.1306, 16.5579,
25.1167)**

Conversions

Conversions Part 1	
Format	Color
Hex	D90089
RGB	217, 0, 137
RGB Percent	85%, 0%, 54%
CMY	0.1490, 0.9998, 0.4627
CMYK	0.00, 1.00, 0.37, 0.15
HSL	322°, 100%, 43%
HSV	322°, 100%, 85%
XYZ	33.1306, 16.5579, 25.1167
YIQ	80.5010, 85.3550, 88.6110

Conversions

Conversions Part 2

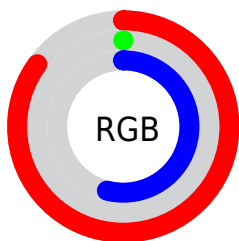
Format	Color
RYB	217, 0, 137
Decimal	14221449
CIELab	47.70, 77.32, -12.83
CIELCh	48, 78.382, 350.576
Yxy	16.5579, 0.4429, 0.2213
Android (android.graphics.Color)	4292411529 (0xFFD90089)
YUV	80.5010, 27.8540, 119.7096
Hunter-Lab	40.6914, 74.1233, -8.1127

Details

The XYZ color **33.1306, 16.5579, 25.1167** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **26.2631, 50.2058, 15.9048**, and the grayscale version is **7.6634, 8.0625, 8.7800**.

A 20% lighter version of the original color is **54.3614, 32.6320, 52.1486**, and **15.4306, 7.7560, 9.7006** is the 20% darker color. If you saturate the color by 10%, you get **33.1294, 16.5573, 25.1103**, and if you desaturate by 10%, it is **34.0083, 17.3603, 28.3473**.

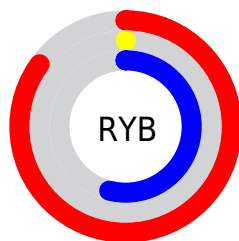
Distribution



Red (85%)

Green (0%)

Blue (54%)



Red (85%)

Yellow (0%)

Blue (54%)

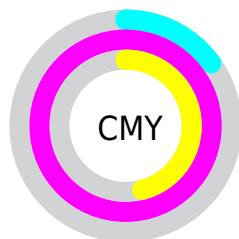


Cyan (0%)

Magenta (100%)

Yellow (37%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1306, 16.5579, 25.1167 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 33.1306, 16.5579, 25.1167 by changing the saturation by 10% instead.


 33.1306, 16.5579,
25.1167


 33.1306, 16.5579,
25.1167


307.8924,
232.6116, 291.8849


 22.3862, 9.9198,
15.9442


 63.9327, 37.5641,
52.8129

 14.2592, 5.3458,
9.3308


 84.7211, 52.7009,
72.1738


 8.3840, 2.4516,
4.8578


 109.5883, 71.4395,
95.7678

 4.3955, 0.8522,
2.1068

 138.8995, 94.1641,
124.0136

 1.9282, 0.0000,
0.6198

 173.0202,
121.2593, 157.3296

 0.5932, 0.0000,
0.0000


 212.3157,


 0.0000, 0.0000,


153.1093, 196.1345


0.0000


257.1513,
190.0986, 240.8467


 33.1306, 16.5579,
25.1167


 33.1306, 16.5579,
25.1167


 33.1294, 16.5573,
25.1103

 34.0083, 17.3603,
28.3473

 35.2455, 18.8121,
31.9120

 36.9474, 21.1225,
35.8503

 39.1731, 24.4081,
40.1861

 41.9723, 28.7671,
44.9399

■ 45.3887, 34.2858,
50.1302

■ 49.4617, 41.0416,
55.7740

■ 54.2273, 49.1050,
61.8869

■ 59.7185, 58.5415,
68.4837

Harmonies

Analogous

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



28.6143, 16.5579, 55.3320



33.1306, 16.5579, 25.1167



32.0295, 16.5579, 7.5806

Triad

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



33.1306, 16.5579, 25.1167



11.4602, 16.5579, 0.6192



8.6362, 16.5579, 67.3073

Complementary

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



33.1306, 16.5579, 25.1167



26.2631, 50.2058, 15.9048

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.



6.1912, 16.5579, 35.2826



33.1306, 16.5579, 25.1167



7.4533, 16.5579, 2.9468

Square

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



33.1306, 16.5579, 25.1167



18.0495, 16.5579, 0.3436



5.8343, 16.5579, 12.4180



13.6324, 16.5579, 89.2128

Rectangle

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



33.1306, 16.5579, 25.1167



28.3556, 16.5579, 2.7727



5.8343, 16.5579, 12.4180



7.5597, 16.5579, 56.5972

Sweetspot

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



33.1311, 16.5588, 25.1170



71.0964, 58.8347, 80.1312



15.7991, 6.6987, 66.1058



14.6602, 11.6633, 16.3950



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.



33.1311, 16.5588, 25.1170



47.6705, 23.8322, 35.7924



28.8372, 14.8413, 2.5055



13.4001, 13.1891, 15.3682



20.1073, 10.0440, 15.4772



1.3437, 0.6671, 1.2187

Inverse Universe

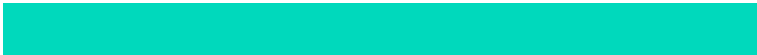
The Inverse Universe completely reimagines the original color for something new.



33.1311, 16.5588, 25.1170



47.6705, 23.8322, 35.7924



33.8983, 53.2599, 56.1116



13.4001, 13.1891, 15.3682



20.1073, 10.0440, 15.4772



1.3437, 0.6671, 1.2187

Previews

White Background



This preview shows how the XYZ color 33.1306, 16.5579, 25.1167 looks on a white background.

Color Contrast Check

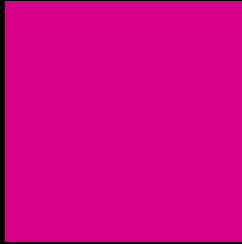
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1306, 16.5579, 25.1167 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 33.1306, 16.5579, 25.1167

Background



This preview shows how black text looks on a background with the XYZ color 33.1306, 16.5579, 25.1167.



This preview shows how white text looks on a background with the XYZ color 33.1306, 16.5579,

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

33.1306, 16.5579, 25.1167

Protanopia

19.0934, 17.4580, 54.5880

Deuteranopia

17.5101, 17.1856, 22.4729




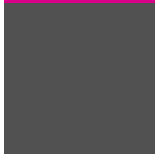

Tritanopia

29.1844, 16.9209, 5.4693

Trichromacy

	Original Color 33.1306, 16.5579, 25.1167
	Protanomaly 19.1085, 12.3970, 41.9432
	Deuteranomaly 20.0603, 13.2131, 22.9658
	Tritanomaly 29.9433, 16.0961, 10.1230

Monochromacy

	Original Color 33.1306, 16.5579, 25.1167
	Achromatopsia 7.8210, 8.2283, 8.9606
	Achromatomaly 12.7829, 8.1414, 13.2096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1306, 16.5579, 25.1167 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(217, 0, 137)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 137)  
}
```

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(217, 0, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 137) }
```

Border

The CSS property to change the border of an element to XYZ 33.1306, 16.5579, 25.1167 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(217, 0, 137) }
```

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

```
.border{ border-color:rgb(217, 0, 137) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1306, 16.5579, 25.1167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 137) }
```

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

```
.background{ background-color: rgb(217, 0,  
137) }
```

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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