

Converting Colors

XYZ(36.2991, 17.7299, 46.1088)

Have a look what the booklet for
XYZ(36.2991, 17.7299, 46.1088)
contains.

XYZ(36.2788, 17.7150, 46.3070)	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(36.2788, 17.7150,
46.3070)**

Conversions

Conversions Part 1

Format	Color
Hex	D600B7
RGB	214, 0, 183
RGB Percent	84%, 0%, 72%
CMY	0.1608, 0.9999, 0.2824
CMYK	0.00, 1.00, 0.14, 0.16
HSL	309°, 100%, 42%
HSV	309°, 100%, 84%
XYZ	36.2788, 17.7150, 46.3070
YIQ	84.8480, 68.8010, 102.2810

Conversions

Conversions Part 2

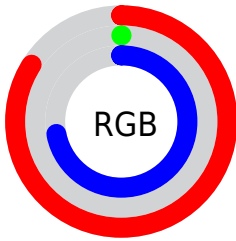
Format	Color
R_{YB}	214, 0, 183
Decimal	14024887
CIE _{Lab}	49.15, 81.88, -38.08
CIE _{LCh}	49, 90.303, 335.060
Yxy	17.7150, 0.3617, 0.1766
Android (android.graphics.Color)	4292214967 (0xFFD600B7)
YUV	84.8480, 48.3889, 113.2663
Hunter-Lab	42.0892, 80.2021, -35.7691

Details

The XYZ color **36.2788, 17.7150, 46.3070** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **24.2950, 48.1929, 9.3203**, and the grayscale version is **8.4991, 8.9417, 9.7375**.

A 20% lighter version of the original color is **60.8227, 35.4974, 85.3073**, and **17.2889, 8.4550, 21.4896** is the 20% darker color. If you saturate the color by 10%, you get **36.2786, 17.7150, 46.3046**, and if you desaturate by 10%, it is **36.8817, 18.3981, 48.1180**.

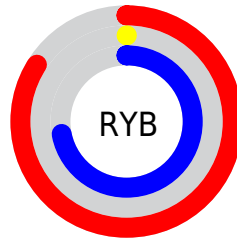
Distribution



Red (84%)

Green (0%)

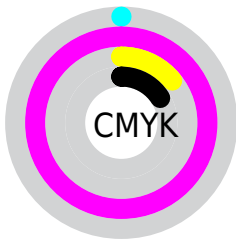
Blue (72%)



Red (84%)

Yellow (0%)

Blue (72%)

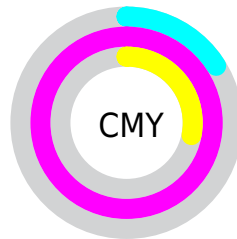


Cyan (0%)

Magenta (100%)

Yellow (14%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2788, 17.7150, 46.3070 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 36.2788, 17.7150, 46.3070 by changing the saturation by 10% instead.


 36.2788, 17.7150,
46.3070

 36.2788, 17.7150,
46.3070


321.5875,
239.2597, 388.3549

 24.8207, 10.7456,
32.1377


 68.7832, 39.5511,
86.0174

 16.0715, 5.8960,
21.2010


 90.5603, 55.1865,
112.3956


 9.6660, 2.7820,
13.0784


 116.5077, 74.4794,
143.6805

 5.2386, 1.0190,
7.3512

 146.9908, 97.8142,
180.2907

 2.4241, 0.0000,
3.6009

 182.3750,
125.5752, 222.6447

 0.8572, 0.0000,
1.4091

 223.0256,

 0.0000, 0.0000,

158.1469, 271.1610

0.1488

269.3080,
195.9136, 326.2582

■ 0.0000, 0.0000,
0.0000

■ 36.2788, 17.7150,
46.3070

■ 36.2788, 17.7150,
46.3070

■ 36.2786, 17.7150,
46.3046

■ 36.8817, 18.3981,
48.1180

■ 37.7968, 19.6948,
50.0682

■ 39.1263, 21.8086,
52.1921

■ 40.9263, 24.8518,
54.5085

■ 43.2442, 28.9191,
57.0335

■ 46.1214, 34.0935,
59.7812

■ 49.5954, 40.4495,
62.7641

■ 53.7001, 48.0550,
65.9938

■ 58.4669, 56.9729,
69.4810

Harmonies

Analogous

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



27.9982, 17.7150, 87.9249



36.2788, 17.7150, 46.3070



38.7545, 17.7150, 15.4699

Triad

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



36.2788, 17.7150, 46.3070



15.4453, 17.7150, 0.0000



6.7341, 17.7150, 60.2520

Complementary

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



36.2788, 17.7150, 46.3070



24.2950, 48.1929, 9.3203

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.



5.2867, 17.7150, 23.6891



36.2788, 17.7150, 46.3070



9.1242, 17.7150, 0.7565

Square

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



36.2788, 17.7150, 46.3070



24.6580, 17.7150, 0.1997



5.9860, 17.7150, 5.5706



10.8748, 17.7150, 99.6933

Rectangle

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



36.2788, 17.7150, 46.3070



36.2550, 17.7150, 5.5323



5.9860, 17.7150, 5.5706



5.9931, 17.7150, 46.4643

Sweetspot

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



36.2794, 17.7159, 46.3073



73.5765, 59.8267, 93.1912



12.6325, 5.1107, 63.9395



15.2563, 11.9017, 19.5341



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.



36.2794, 17.7159, 46.3073



53.9020, 26.3248, 68.6074



29.1249, 14.8541, 8.6319



12.8721, 12.6003, 15.2665



21.9578, 10.7194, 28.1453



1.3460, 0.6552, 1.8115

Inverse Universe

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



36.2794, 17.7159, 46.3073



53.9020, 26.3248, 68.6074



28.4589, 49.8585, 31.2475



12.8721, 12.6003, 15.2665



21.9578, 10.7194, 28.1453



1.3460, 0.6552, 1.8115

Previews

White Background



This preview shows how the XYZ color 36.2788, 17.7150, 46.3070 looks on a white background.

Color Contrast Check

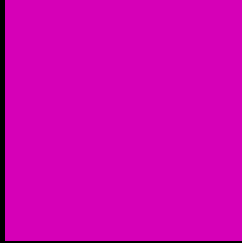
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2788, 17.7150, 46.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

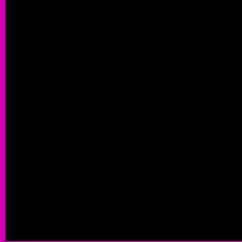
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.2788, 17.7150, 46.3070

Background



This preview shows how black text looks on a background with the XYZ color 36.2788, 17.7150, 46.3070.



This preview shows how white text looks on a background with the XYZ color 36.2788, 17.7150,

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

36.2788, 17.7150, 46.3070

Protanopia

22.1950, 18.5057, 87.1962

Deuteranopia

18.8546, 18.4768, 41.6024



Tritanopia

28.5237, 17.9939, 8.8073

Trichromacy



Original Color

36.2788, 17.7150, 46.3070



Protanomaly

18.5756, 11.6052, 69.6676



Deuteranomaly

21.1678, 13.7422, 42.6111



Tritanomaly

30.0839, 16.6017, 17.8385

Monochromacy



Original Color

36.2788, 17.7150, 46.3070



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.2861, 8.9243, 19.0588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2788, 17.7150, 46.3070 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(214, 0, 183)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 183)  
}
```

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(214, 0, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 183) }
```

Border

The CSS property to change the border of an element to XYZ 36.2788, 17.7150, 46.3070 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(214, 0, 183) }
```


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

```
.border{ border-color:rgb(214, 0, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 0, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2788, 17.7150, 46.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 183) }
```

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

```
.background{ background-color: rgb(214, 0,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor