

Converting Colors

XYZ(36.1584, 17.6736, 45.3681)

Have a look what the booklet for
XYZ(36.1584, 17.6736, 45.3681)
contains.

XYZ(36.0720, 17.6323, 45.2182)	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(36.0720, 17.6323,
45.2182)**

Conversions

Conversions Part 1

Format	Color
Hex	D600B5
RGB	214, 0, 181
RGB Percent	84%, 0%, 71%
CMY	0.1608, 0.9999, 0.2902
CMYK	0.00, 1.00, 0.15, 0.16
HSL	309°, 100%, 42%
HSV	309°, 100%, 84%
XYZ	36.0720, 17.6323, 45.2182
YIQ	84.6200, 69.4430, 101.6590

Conversions

Conversions Part 2

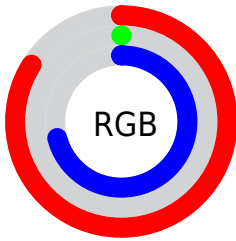
Format	Color
R_{YB}	214, 0, 181
Decimal	14024885
CIE _{Lab}	49.05, 81.63, -37.07
CIE _{LCh}	49, 89.650, 335.579
Yxy	17.6323, 0.3646, 0.1782
Android (android.graphics.Color)	4292214965 (0xFFD600B5)
YUV	84.6200, 47.5153, 113.4663
Hunter-Lab	41.9908, 79.8555, -34.4534

Details

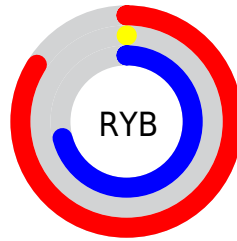
The XYZ color **36.0720, 17.6323, 45.2182** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **24.3222, 48.2037, 9.4638**, and the grayscale version is **8.4537, 8.8940, 9.6856**.

A 20% lighter version of the original color is **60.5288, 35.3798, 83.7595**, and **17.2227, 8.4285, 21.1412** is the 20% darker color. If you saturate the color by 10%, you get **36.0717, 17.6322, 45.2155**, and if you desaturate by 10%, it is **36.6913, 18.3220, 47.1156**.

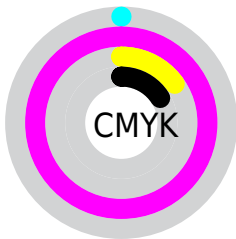
Distribution



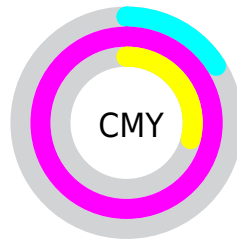
- Red (84%)
- Green (0%)
- Blue (71%)



- Red (84%)
- Yellow (0%)
- Blue (71%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0720, 17.6323, 45.2182 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 36.0720, 17.6323, 45.2182 by changing the saturation by 10% instead.


 36.0720, 17.6323,
45.2182


 36.0720, 17.6323,
45.2182

320.7009,
238.7903, 383.8424


 24.6602, 10.6863,
31.2851


 68.4663, 39.4098,
84.3697


 15.9514, 5.8563,
20.5558


 90.1795, 55.0100,
110.4251


 9.5804, 2.7579,
12.6116


 116.0573, 74.2639,
141.3585

 5.1818, 1.0067,
7.0341

 146.4648, 97.5557,
177.5883

 2.3902, 0.0000,
3.4047

 181.7676,
125.2698, 219.5330

 0.8402, 0.0000,
1.3048

 222.3310,

 0.0000, 0.0000,

157.7907, 267.6113

0.0657

268.5203,
195.5027, 322.2415

■ 0.0000, 0.0000,
0.0000

■ 36.0720, 17.6323,
45.2182

■ 36.0720, 17.6323,
45.2182

■ 36.0717, 17.6322,
45.2155

■ 36.6913, 18.3220,
47.1156

■ 37.6238, 19.6257,
49.1571

■ 38.9716, 21.7469,
51.3772

■ 40.7909, 24.7979,
53.7949

■ 43.1289, 28.8733,
56.4261

■ 46.0274, 34.0562,
59.2850

■ 49.5234, 40.4211,
62.3842

■ 53.6512, 48.0359,
65.7355

■ 58.4422, 56.9636,
69.3494

Harmonies

Analogous

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



27.9603, 17.6323, 86.2659



36.0720, 17.6323, 45.2182



38.3909, 17.6323, 15.0617

Triad

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



36.0720, 17.6323, 45.2182



15.2443, 17.6323, 0.0000



6.7895, 17.6323, 60.3760

Complementary

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



36.0720, 17.6323, 45.2182



24.3222, 48.2037, 9.4638

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.



5.3107, 17.6323, 24.0310



36.0720, 17.6323, 45.2182



9.0378, 17.6323, 0.8145

Square

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



36.0720, 17.6323, 45.2182



24.3230, 17.6323, 0.2052



5.9693, 17.6323, 5.7613



10.9523, 17.6323, 99.0359

Rectangle

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



36.0720, 17.6323, 45.2182



35.8438, 17.6323, 5.3918



5.9693, 17.6323, 5.7613



6.0385, 17.6323, 46.7263

Sweetspot

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



36.0726, 17.6332, 45.2185



73.4681, 59.7834, 92.6206



12.7378, 5.1650, 63.9443



15.2300, 11.8913, 19.3960



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.



36.0726, 17.6332, 45.2185



53.5921, 26.2009, 66.9755



28.9995, 14.8039, 7.9718



12.8669, 12.5983, 15.2392



21.8342, 10.6700, 27.4949



1.3397, 0.6527, 1.7781

Inverse Universe

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



36.0726, 17.6332, 45.2185



53.5921, 26.2009, 66.9755



28.7156, 49.9611, 32.5993



12.8669, 12.5983, 15.2392



21.8342, 10.6700, 27.4949



1.3397, 0.6527, 1.7781

Previews

White Background



This preview shows how the XYZ color 36.0720, 17.6323, 45.2182 looks on a white background.

Color Contrast Check

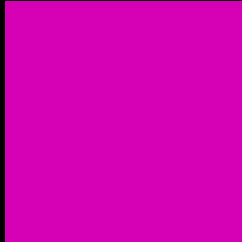
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.0720, 17.6323, 45.2182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

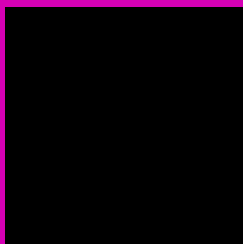
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.0720, 17.6323, 45.2182

Background



This preview shows how black text looks on a background with the XYZ color 36.0720, 17.6323, 45.2182.



This preview shows how white text looks on a background with the XYZ color 36.0720, 17.6323,

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

36.0720, 17.6323, 45.2182

Protanopia

22.1950, 18.5057, 87.1962

Deuteranopia

18.6540, 18.2215, 40.5641



Tritanopia

28.7001, 17.9936, 8.6171

Trichromacy



Original Color

36.0720, 17.6323, 45.2182



Protanomaly

18.4427, 11.5521, 68.9679



Deuteranomaly

20.9040, 13.5290, 41.5540



Tritanomaly

29.9881, 16.5016, 17.5242

Monochromacy



Original Color

36.0720, 17.6323, 45.2182



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.2251, 8.8999, 18.7374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0720, 17.6323, 45.2182 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, 181)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 181)  
}
```

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, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 181) }
```

Border

The CSS property to change the border of an element to XYZ 36.0720, 17.6323, 45.2182 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, 181) }
```


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

```
.border{ border-color:rgb(214, 0, 181) }
```

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, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0720, 17.6323, 45.2182 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, 181) }
```

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

```
.background{ background-color: rgb(214, 0,  
181) }
```

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