

Converting Colors

XYZ(36.3591, 17.7763, 48.0514)

Have a look what the booklet for
XYZ(36.3591, 17.7763, 48.0514)
contains.

XYZ(36.3469, 17.7781, 47.9702)	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(36.3469, 17.7781,
47.9702)**

Conversions

Conversions Part 1

Format	Color
Hex	D504BA
RGB	213, 4, 186
RGB Percent	84%, 2%, 73%
CMY	0.1647, 0.9842, 0.2706
CMYK	0.00, 0.98, 0.13, 0.16
HSL	308°, 96%, 43%
HSV	308°, 98%, 84%
XYZ	36.3469, 17.7781, 47.9702
YIQ	87.2390, 66.1420, 100.9100

Conversions

Conversions Part 2

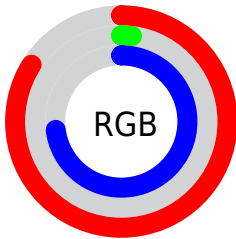
Format	Color
RYB	213, 4, 186
Decimal	13960378
CIELab	49.23, 81.78, -39.72
CIElCh	49, 90.914, 334.090
Yxy	17.7781, 0.3560, 0.1741
Android (android.graphics.Color)	4292150458 (0xFFD504BA)
YUV	87.2390, 48.6892, 110.2924
Hunter-Lab	42.1641, 80.0860, -37.9395

Details

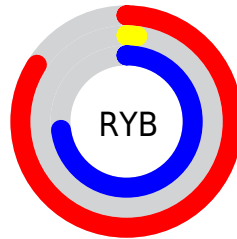
The XYZ color **36.3469, 17.7781, 47.9702** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle washed rose. A complement of this color would be **24.0927, 47.7141, 9.2386**, and the grayscale version is **9.0031, 9.4719, 10.3149**.

A 20% lighter version of the original color is **61.5099, 35.9155, 88.4845**, and **17.3017, 8.4382, 22.5466** is the 20% darker color. If you saturate the color by 10%, you get **36.2485, 17.6693, 47.6647**, and if you desaturate by 10%, it is **36.9541, 18.5192, 49.6303**.

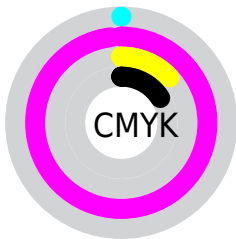
Distribution



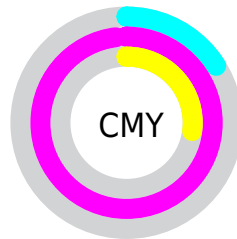
- Red (84%)
- Green (2%)
- Blue (73%)



- Red (84%)
- Yellow (2%)
- Blue (73%)



- Cyan (0%)
- Magenta (98%)
- Yellow (13%)
- Black (16%)





- Cyan (16%)
- Magenta (98%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3469, 17.7781, 47.9702 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 36.3469, 17.7781, 47.9702 by changing the saturation by 10% instead.


 36.3469, 17.7781,
47.9702


 36.3469, 17.7781,
47.9702

321.8791,
239.6173, 395.1793


 24.8736, 10.7908,
33.4435


 68.8875, 39.6588,
88.5251


 16.1111, 5.9263,
22.1925


 90.6856, 55.3211,
115.3904


 9.6942, 2.8003,
13.7987


 116.6559, 74.6437,
147.2056

 5.2574, 1.0284,
7.8437

 147.1638, 98.0112,
184.3892

 2.4353, 0.0000,
3.9087

 182.5748,
125.8079, 227.3599

 0.8628, 0.0000,
1.5754

 223.2541,

 0.0000, 0.0000,

158.4183, 276.5361

0.2732

269.5670,
196.2266, 332.3364

■ 0.0000, 0.0000,
0.0000

■ 36.3469, 17.7781,
47.9702

■ 36.3469, 17.7781,
47.9702

■ 36.2485, 17.6693,
47.6647

■ 36.9541, 18.5192,
49.6303

■ 37.9024, 19.9339,
51.4319

■ 39.2704, 22.1790,
53.4015

■ 41.1117, 25.3615,
55.5572

■ 43.4719, 29.5725,
57.9142

■ 46.3911, 34.8923,
60.4861

■ 49.9055, 41.3931,
63.2851

■ 54.0481, 49.1411,
66.3224

■ 58.8498, 58.1977,
69.6084

Harmonies

Analogous

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



27.8515, 17.7781, 90.0749



36.3469, 17.7781, 47.9702



39.0891, 17.7781, 16.1979

Triad

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



36.3469, 17.7781, 47.9702



15.7550, 17.7781, 0.0000



6.6331, 17.7781, 59.3953

Complementary

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



36.3469, 17.7781, 47.9702



24.0927, 47.7141, 9.2386

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.



5.2537, 17.7781, 22.9030



36.3469, 17.7781, 47.9702



9.2743, 17.7781, 0.6699

Square

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



36.3469, 17.7781, 47.9702



25.1200, 17.7781, 0.2165



6.0257, 17.7781, 5.2369



10.6992, 17.7781, 99.7349

Rectangle

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



36.3469, 17.7781, 47.9702



36.7146, 17.7781, 5.8224



6.0257, 17.7781, 5.2369



5.9158, 17.7781, 45.5389

Sweetspot

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



36.3476, 17.7790, 47.9705



74.3235, 60.9479, 94.5897



12.5444, 5.1444, 63.2832



15.4071, 12.1165, 19.8527



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.



36.3476, 17.7790, 47.9705



54.4318, 26.5367, 71.3968



29.0902, 14.8761, 9.7539



12.8808, 12.6038, 15.3123



22.1688, 10.8038, 29.2565



1.3568, 0.6595, 1.8683

Inverse Universe

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



36.3476, 17.7790, 47.9705



54.4318, 26.5367, 71.3968



28.0714, 49.3055, 30.1902



12.8808, 12.6038, 15.3123



22.1688, 10.8038, 29.2565



1.3568, 0.6595, 1.8683

Previews

White Background



This preview shows how the XYZ color 36.3469, 17.7781, 47.9702 looks on a white background.

Color Contrast Check

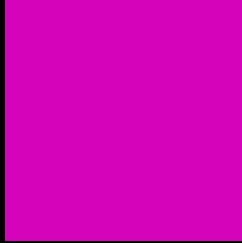
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3469, 17.7781, 47.9702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

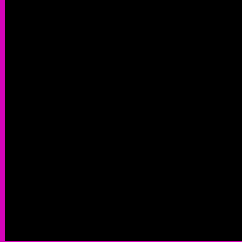
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3469, 17.7781, 47.9702

Background



This preview shows how black text looks on a background with the XYZ color 36.3469, 17.7781, 47.9702.



This preview shows how white text looks on a background with the XYZ color 36.3469, 17.7781,

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

36.3469, 17.7781, 47.9702

Protanopia

22.1950, 18.5057, 87.1962

Deuteranopia

18.9356, 18.4849, 43.1274



Tritanopia

28.3863, 18.0117, 9.1882

Trichromacy



Original Color

36.3469, 17.7781, 47.9702



Protanomaly

18.6942, 11.7493, 70.3898



Deuteranomaly

21.2718, 13.9657, 44.2223



Tritanomaly

30.0000, 16.6637, 18.4649

Monochromacy



Original Color

36.3469, 17.7781, 47.9702



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

14.7111, 9.3429, 19.7669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3469, 17.7781, 47.9702 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(213, 4, 186)` looks like.

```
.text, #text, p{  
    color:rgb(213, 4, 186)  
}
```

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(213, 4, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 4, 186) }
```

Border

The CSS property to change the border of an element to XYZ 36.3469, 17.7781, 47.9702 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(213, 4, 186) }
```


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

```
.border{ border-color:rgb(213, 4, 186) }
```

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

Here you see how a box with a 4 pixel rgb(213, 4, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 4, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 4, 186);  
box-shadow:4px 4px 4px 4px rgb(213, 4,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3469, 17.7781, 47.9702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 4, 186) }
```

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

```
.background{ background-color: rgb(213, 4,  
186) }
```

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