

Converting Colors

XYZ(35.9062, 17.7476, 36.1395)

Have a look what the booklet for
XYZ(35.9062, 17.7476, 36.1395)
contains.

XYZ(35.8243, 17.7044, 36.1795)	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(35.8243, 17.7044,
36.1795)**

Conversions

Conversions Part 1

Format	Color
Hex	DB00A3
RGB	219, 0, 163
RGB Percent	86%, 0%, 64%
CMY	0.1412, 0.9998, 0.3608
CMYK	0.00, 1.00, 0.26, 0.14
HSL	315°, 100%, 43%
HSV	315°, 100%, 86%
XYZ	35.8243, 17.7044, 36.1795
YIQ	84.0630, 78.2010, 97.1210

Conversions

Conversions Part 2

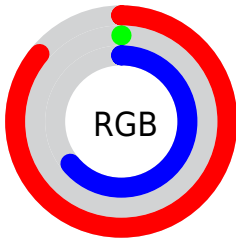
Format	Color
R_{YB}	219, 0, 163
Decimal	14352547
CIE _{Lab}	49.14, 80.42, -26.22
CIE _{LCh}	49, 84.585, 341.939
Yxy	17.7044, 0.3993, 0.1974
Android (android.graphics.Color)	4292542627 (0xFFDB00A3)
YUV	84.0630, 38.9159, 118.3397
Hunter-Lab	42.0766, 78.3421, -21.5268

Details

The XYZ color **35.8243, 17.7044, 36.1795** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **26.0469, 50.9494, 12.2079**, and the grayscale version is **8.3554, 8.7905, 9.5729**.

A 20% lighter version of the original color is **57.8976, 34.3274, 69.9040**, and **17.1673, 8.5186, 15.7784** is the 20% darker color. If you saturate the color by 10%, you get **35.8235, 17.7041, 36.1749**, and if you desaturate by 10%, it is **36.6234, 18.4813, 38.9772**.

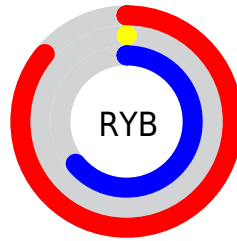
Distribution



Red (86%)

Green (0%)

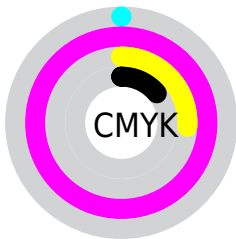
Blue (64%)



Red (86%)

Yellow (0%)

Blue (64%)

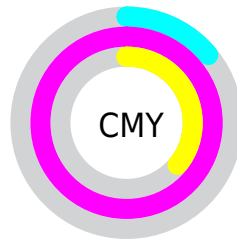


Cyan (0%)

Magenta (100%)

Yellow (26%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8243, 17.7044, 36.1795 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 35.8243, 17.7044, 36.1795 by changing the saturation by 10% instead.


 35.8243, 17.7044,
36.1795


 35.8243, 17.7044,
36.1795


319.6366,
239.1996, 344.8055


 24.4680, 10.7380,
24.2821


 68.0864, 39.5330,
70.4812


 15.8078, 5.8909,
15.3289


 89.7230, 55.1639,
93.7225


 9.4782, 2.7789,
8.9013


 115.5170, 74.4518,
121.5823

 5.1140, 1.0174,
4.5809

 145.8339, 97.7811,
154.4789

 2.3497, 0.0000,
1.9492

 181.0389,
125.5361, 192.8310

 0.8199, 0.0000,
0.5237

 221.4974,

 0.0000, 0.0000,

158.1013, 237.0571

0.0000

267.5749,
195.8610, 287.5758

■ 35.8243, 17.7044,
36.1795

■ 35.8243, 17.7044,
36.1795

■ 35.8235, 17.7041,
36.1749

■ 36.6234, 18.4813,
38.9772

■ 37.7680, 19.9135,
42.0010

■ 39.3648, 22.2135,
45.2880

■ 41.4735, 25.5005,
48.8593

■ 44.1445, 29.8748,
52.7331

■ 47.4221, 35.4243,
56.9254

■ 51.3458, 42.2281,
61.4506

■ 55.9519, 50.3582,
66.3222

■ 61.2739, 59.8811,
71.5524

Harmonies

Analogous

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



29.1765, 17.7044, 73.2200



35.8243, 17.7044, 36.1795



36.5244, 17.7044, 11.5971

Triad

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



35.8243, 17.7044, 36.1795



13.8731, 17.7044, 0.1372



7.8602, 17.7044, 65.5018

Complementary

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



35.8243, 17.7044, 36.1795



26.0469, 50.9494, 12.2079

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.



5.9025, 17.7044, 29.7652



35.8243, 17.7044, 36.1795



8.5720, 17.7044, 1.6392

Square

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



35.8243, 17.7044, 36.1795



21.9968, 17.7044, 0.3006



6.1141, 17.7044, 8.6810



12.5391, 17.7044, 97.4203

Rectangle

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



35.8243, 17.7044, 36.1795



33.3149, 17.7044, 4.1962



6.1141, 17.7044, 8.6810



6.9395, 17.7044, 52.7210

Sweetspot

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



35.8249, 17.7054, 36.1798



72.3184, 59.3235, 86.5660



14.3502, 5.9214, 67.4048



14.9528, 11.7803, 17.9359



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.



35.8249, 17.7054, 36.1798



50.5105, 24.9682, 50.7480



29.8983, 15.3347, 4.9709



13.4647, 13.2150, 15.7085



21.2881, 10.5163, 21.6949



1.4133, 0.6949, 1.5852

Inverse Universe

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



35.8249, 17.7054, 36.1798



50.5105, 24.9682, 50.7480



32.0565, 53.3533, 43.8540



13.4647, 13.2150, 15.7085



21.2881, 10.5163, 21.6949



1.4133, 0.6949, 1.5852

Previews

White Background



This preview shows how the XYZ color 35.8243, 17.7044, 36.1795 looks on a white background.

Color Contrast Check

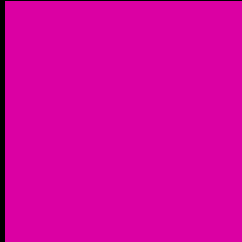
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8243, 17.7044, 36.1795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

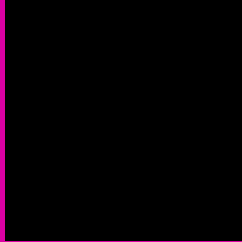
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8243, 17.7044, 36.1795

Background



This preview shows how black text looks on a background with the XYZ color 35.8243, 17.7044, 36.1795.



This preview shows how white text looks on a background with the XYZ color 35.8243, 17.7044,

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

35.8243, 17.7044, 36.1795

Protanopia

21.9151, 18.7160, 78.8014

Deuteranopia

18.5950, 18.2025, 32.2391



Tritanopia

29.9979, 18.0691, 7.2168

Trichromacy



Original Color

35.8243, 17.7044, 36.1795



Protanomaly

20.0754, 12.5851, 60.4026



Deuteranomaly

21.2120, 13.8772, 33.0131



Tritanomaly

31.2155, 16.9923, 14.2050

Monochromacy



Original Color

35.8243, 17.7044, 36.1795



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.9266, 8.7250, 16.5729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8243, 17.7044, 36.1795 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 35.8243, 17.7044, 36.1795 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, 163) }
```


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

```
.border{ border-color:rgb(219, 0, 163) }
```

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, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8243, 17.7044, 36.1795 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, 163) }
```

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

```
.background{ background-color: rgb(219, 0,  
163) }
```

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