

Converting Colors

XYZ(31.9467, 17.6894, 36.4750)

Have a look what the booklet for
XYZ(31.9467, 17.6894, 36.4750)
contains.

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Color

**XYZ(32.0174, 17.7002,
36.3793)**

Conversions

Conversions Part 1

Format	Color
Hex	C936A3
RGB	201, 54, 163
RGB Percent	79%, 21%, 64%
CMY	0.2118, 0.7882, 0.3608
CMYK	0.00, 0.73, 0.19, 0.21
HSL	316°, 58%, 50%
HSV	316°, 73%, 79%
XYZ	32.0174, 17.7002, 36.3793
YIQ	110.3790, 52.6230, 65.0630

Conversions

Conversions Part 2

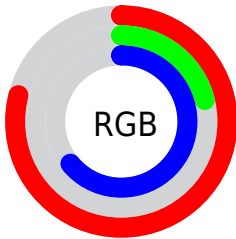
Format	Color
R _Y B	201, 54, 163
Decimal	13186723
CIE Lab	49.13, 67.16, -26.49
CIE LCh	49, 72.198, 338.478
Yxy	17.7002, 0.3719, 0.2056
Android (android.graphics.Color)	4291376803 (0xFFC936A3)
YUV	110.3790, 25.9422, 79.4746
Hunter-Lab	42.0716, 62.2170, -21.8179

Details

The XYZ color **32.0174, 17.7002, 36.3793** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **24.3407, 43.3309, 17.2081**, and the grayscale version is **14.8482, 15.6215, 17.0118**.

A 20% lighter version of the original color is **59.9122, 38.3566, 70.5755**, and **14.1969, 6.9873, 15.6394** is the 20% darker color. If you saturate the color by 10%, you get **30.8116, 16.0183, 33.7273**, and if you desaturate by 10%, it is **33.6298, 20.1642, 39.2615**.

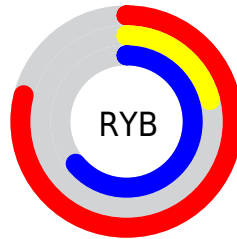
Distribution



Red (79%)

Green (21%)

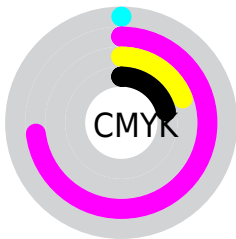
Blue (64%)



Red (79%)

Yellow (21%)

Blue (64%)

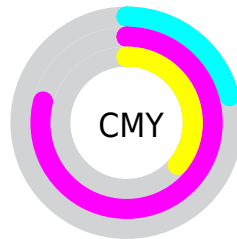


Cyan (0%)

Magenta (73%)

Yellow (19%)

Black (21%)



Cyan (21%)


Magenta (79%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0174, 17.7002, 36.3793 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 32.0174, 17.7002, 36.3793 by changing the saturation by 10% instead.


 32.0174, 17.7002,
36.3793


 32.0174, 17.7002,
36.3793


302.9424,
239.1758, 345.7028


 21.5304, 10.7350,
24.4353


 62.2034, 39.5258,
70.7927


 13.6269, 5.8889,
15.4416


 82.6331, 55.1550,
94.0992


 7.9416, 2.7776,
8.9799


 107.1077, 74.4409,
122.0302

 4.1091, 1.0168,
4.6314

 135.9926, 97.7680,
155.0044

 1.7640, 0.0000,
1.9777

 169.6532,
125.5206, 193.4402

 0.4959, 0.0000,
0.5415

208.4548,

 0.0000, 0.0000,

158.0832, 237.7561

0.0000

252.7627,
195.8401, 288.3708

■ 32.0174, 17.7002,
36.3793

■ 32.0174, 17.7002,
36.3793

■ 30.8116, 16.0183,
33.7273

■ 33.6298, 20.1642,
39.2615

■ 29.9594, 15.0135,
31.2863

■ 35.6897, 23.4926,
42.3882

■ 29.5154, 14.5887,
29.7100

■ 38.2349, 27.7601,
45.7733

■ 41.2985, 33.0328,
49.4288

■ 44.9106, 39.3705,
53.3659

■ 49.0991, 46.8287,
57.5947

■ 53.8898, 55.4586,
62.1251

■ 59.3071, 65.3085,
66.9660

■ 65.3737, 76.4239,
72.1261

Harmonies

Analogous

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



26.2609, 17.7002, 65.4777



32.0174, 17.7002, 36.3793



33.2038, 17.7002, 14.2952

Triad

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



32.0174, 17.7002, 36.3793



14.9816, 17.7002, 0.9298



8.5708, 17.7002, 52.8886

Complementary

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



32.0174, 17.7002, 36.3793



24.3407, 43.3309, 17.2081

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.



6.9742, 17.7002, 25.2887



32.0174, 17.7002, 36.3793



9.9708, 17.7002, 2.3614

Square

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



32.0174, 17.7002, 36.3793



22.0486, 17.7002, 1.2510



7.4072, 17.7002, 8.5989



12.4969, 17.7002, 78.6604

Rectangle

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



32.0174, 17.7002, 36.3793



31.0062, 17.7002, 6.4262



7.4072, 17.7002, 8.5989



7.7991, 17.7002, 42.9863

Sweetspot

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



32.0180, 17.7011, 36.3796



77.4426, 68.3817, 91.9431



16.1527, 9.0680, 56.1576



16.1865, 13.9485, 19.2700



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.



32.0180, 17.7011, 36.3796



51.7963, 26.2499, 55.1531



27.2849, 15.8079, 11.4558



10.9615, 10.7680, 12.7804



18.5970, 9.1884, 18.8856



0.9089, 0.4464, 1.0434

Inverse Universe

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



32.0180, 17.7011, 36.3796



51.7963, 26.2499, 55.1531



29.1322, 45.2475, 42.4399



10.9615, 10.7680, 12.7804



18.5970, 9.1884, 18.8856



0.9089, 0.4464, 1.0434

Previews

White Background



This preview shows how the XYZ color 32.0174, 17.7002, 36.3793 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 32.0174, 17.7002, 36.3793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

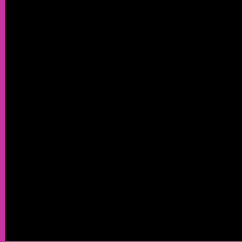
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.0174, 17.7002, 36.3793

Background



This preview shows how black text looks on a background with the XYZ color 32.0174, 17.7002, 36.3793.



This preview shows how white text looks on a background with the XYZ color 32.0174, 17.7002,

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

32.0174, 17.7002, 36.3793

Protanopia

20.4268, 18.0902, 64.7025

Deuteranopia

18.3848, 18.0751, 33.0917



Tritanopia

26.6443, 17.7014, 10.3999

Trichromacy



Original Color

32.0174, 17.7002, 36.3793



Protanomaly

21.0360, 15.4009, 52.9029



Deuteranomaly

21.1555, 16.0138, 33.8742



Tritanomaly

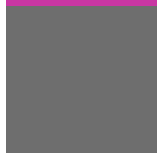
28.1968, 17.4429, 17.5035

Monochromacy



Original Color

32.0174, 17.7002, 36.3793



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

18.9463, 14.7369, 22.6148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0174, 17.7002, 36.3793 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(201, 54, 163)` looks like.

```
.text, #text, p{  
    color:rgb(201, 54, 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(201, 54, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 54, 163) }
```

Border

The CSS property to change the border of an element to XYZ 32.0174, 17.7002, 36.3793 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(201, 54, 163) }
```


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

```
.border{ border-color:rgb(201, 54, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 54, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 54, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 54, 163);  
box-shadow:4px 4px 4px 4px rgb(201, 54,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0174, 17.7002, 36.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 54, 163) }
```

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

```
.background{ background-color: rgb(201, 54,  
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](#).

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