

Converting Colors

XYZ(32.4744, 17.8830, 38.7860)

Have a look what the booklet for
XYZ(32.4744, 17.8830, 38.7860)
contains.

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Color

**XYZ(32.4744, 17.8830,
38.7860)**

Conversions

Conversions Part 1

Format	Color
Hex	C936A8
RGB	201, 54, 168
RGB Percent	79%, 21%, 66%
CMY	0.2118, 0.7882, 0.3412
CMYK	0.00, 0.73, 0.16, 0.21
HSL	313°, 58%, 50%
HSV	313°, 73%, 79%
XYZ	32.4744, 17.8830, 38.7860
YIQ	110.9490, 51.0180, 66.6180

Conversions

Conversions Part 2

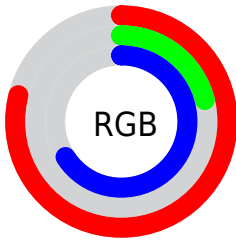
Format	Color
R_{YB}	201, 54, 168
Decimal	13186728
CIE _{Lab}	49.35, 67.85, -29.10
CIE _{LCh}	49, 73.824, 336.788
Yxy	17.8830, 0.3643, 0.2006
Android (android.graphics.Color)	4291376808 (0xFFC936A8)
YUV	110.9490, 28.1261, 78.9747
Hunter-Lab	42.2883, 63.0708, -24.7778

Details

The XYZ color **32.4744, 17.8830, 38.7860** 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 **24.1292, 43.2462, 16.0943**, and the grayscale version is **15.0066, 15.7881, 17.1932**.

A 20% lighter version of the original color is **60.5766, 38.6223, 74.0742**, and **14.4801, 7.1006, 17.1304** is the 20% darker color. If you saturate the color by 10%, you get **31.3116, 16.2183, 36.3601**, and if you desaturate by 10%, it is **34.0393, 20.3280, 41.4182**.

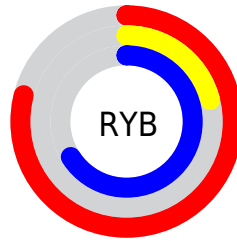
Distribution



Red (79%)

Green (21%)

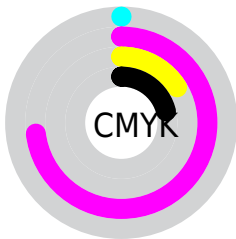
Blue (66%)



Red (79%)

Yellow (21%)

Blue (66%)

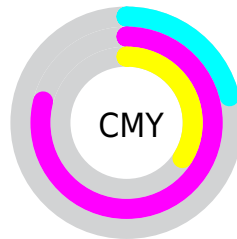


Cyan (0%)

Magenta (73%)

Yellow (16%)

Black (21%)



Cyan (21%)


Magenta (79%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4744, 17.8830, 38.7860 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 32.4744, 17.8830, 38.7860 by changing the saturation by 10% instead.

 32.4744, 17.8830,
38.7860


 32.4744, 17.8830,
38.7860


304.9817,
240.2107, 356.3786

 21.8814, 10.8660,
26.2867


 62.9143, 39.8379,
74.5280


 13.8859, 5.9768,
16.8106


 83.4918, 55.5445,
98.6079


 8.1225, 2.8310,
9.9390


 108.1283, 74.9166,
127.3850

 4.2259, 1.0441,
5.2535

 137.1890, 98.3383,
161.2779

 1.8307, 0.0000,
2.3354

 171.0394,
126.1942, 200.7052

 0.5361, 0.0000,
0.7510

210.0447,

 0.0000, 0.0000,

158.8687, 246.0854

0.0000

254.5704,
196.7460, 297.8370

■ 32.4744, 17.8830,
38.7860

■ 32.4744, 17.8830,
38.7860

■ 31.3116, 16.2183,
36.3601

■ 34.0393, 20.3280,
41.4182

■ 30.4979, 15.2289,
34.1218

■ 36.0472, 23.6355,
44.2705

■ 30.0777, 14.8136,
32.6712

■ 38.5355, 27.8803,
47.3564

■ 41.5375, 33.1284,
50.6877

■ 45.0832, 39.4396,
54.2749

■ 49.2004, 46.8691,
58.1280

■ 53.9147, 55.4685,
62.2563

■ 59.2505, 65.2858,
66.6685

■ 65.2306, 76.3666,
71.3729

Harmonies

Analogous

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



26.3216, 17.8830, 69.0162



32.4744, 17.8830, 38.7860



34.0196, 17.8830, 15.2892

Triad

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



32.4744, 17.8830, 38.7860



15.4662, 17.8830, 0.8240



8.3842, 17.8830, 52.5591

Complementary

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



32.4744, 17.8830, 38.7860



24.1292, 43.2462, 16.0943

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.



6.8813, 17.8830, 24.3544



32.4744, 17.8830, 38.7860



10.1848, 17.8830, 2.0908

Square

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



32.4744, 17.8830, 38.7860



22.8269, 17.8830, 1.2263



7.4363, 17.8830, 7.9473



12.2556, 17.8830, 80.0753

Rectangle

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



32.4744, 17.8830, 38.7860



31.9348, 17.8830, 6.8148



7.4363, 17.8830, 7.9473



7.6412, 17.8830, 42.3146

Sweetspot

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



32.4750, 17.8839, 38.7863



77.7284, 68.4960, 93.4483



15.6868, 8.8279, 56.1357



16.2546, 13.9758, 19.6286



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.



32.4750, 17.8839, 38.7863



52.6934, 26.6087, 59.8772



27.5026, 15.8949, 12.6021



10.9773, 10.7743, 12.8635



18.9475, 9.3285, 20.7310



0.9230, 0.4520, 1.1176

Inverse Universe

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



32.4750, 17.8839, 38.7863



52.6934, 26.6087, 59.8772



28.6972, 45.0735, 40.1492



10.9773, 10.7743, 12.8635



18.9475, 9.3285, 20.7310



0.9230, 0.4520, 1.1176

Previews

White Background



This preview shows how the XYZ color 32.4744, 17.8830, 38.7860 looks on a white background.

Color Contrast Check

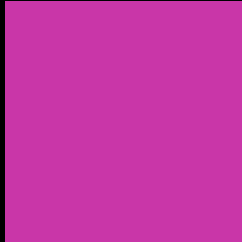
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.4744, 17.8830, 38.7860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

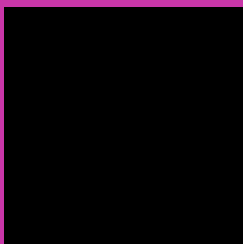
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.4744, 17.8830, 38.7860

Background



This preview shows how black text looks on a background with the XYZ color 32.4744, 17.8830, 38.7860.



This preview shows how white text looks on a background with the XYZ color 32.4744, 17.8830,

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

32.4744, 17.8830, 38.7860

Protanopia

20.9656, 18.4472, 68.7853

Deuteranopia

18.4473, 18.0582, 35.3142



Tritanopia

26.6145, 17.8942, 10.8553

Trichromacy



Original Color

32.4744, 17.8830, 38.7860



Protanomaly

21.2791, 15.5762, 56.5286



Deuteranomaly

21.4204, 16.1001, 36.1611



Tritanomaly

28.1706, 17.5032, 18.4167

Monochromacy



Original Color

32.4744, 17.8830, 38.7860



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

19.3226, 14.9076, 23.6888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4744, 17.8830, 38.7860 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(201, 54, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 54, 168) }
```

Border

The CSS property to change the border of an element to XYZ 32.4744, 17.8830, 38.7860 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, 168) }
```


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

```
.border{ border-color:rgb(201, 54, 168) }
```

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, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 54, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 54, 168);  
box-shadow:4px 4px 4px 4px rgb(201, 54,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4744, 17.8830, 38.7860 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, 168) }
```

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

```
.background{ background-color: rgb(201, 54,  
168) }
```

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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