

Converting Colors

XYZ(32.7851, 17.5281, 50.2564)

Have a look what the booklet for
XYZ(32.7851, 17.5281, 50.2564)
contains.

XYZ(32.6830, 17.4682, 50.3643)	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(32.6830, 17.4682,
50.3643)**

Conversions

Conversions Part 1

Format	Color
Hex	C232BE
RGB	194, 50, 190
RGB Percent	76%, 20%, 75%
CMY	0.2392, 0.8039, 0.2549
CMYK	0.00, 0.74, 0.02, 0.24
HSL	302°, 59%, 48%
HSV	302°, 74%, 76%
XYZ	32.6830, 17.4682, 50.3643
YIQ	109.0160, 40.8840, 74.0680

Conversions

Conversions Part 2

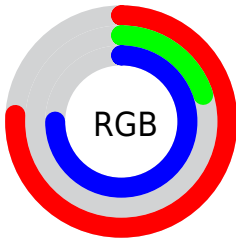
Format	Color
RYB	194, 50, 190
Decimal	12726974
CIELab	48.84, 70.79, -42.87
CIELCh	49, 82.761, 328.799
Yxy	17.4682, 0.3252, 0.1738
Android (android.graphics.Color)	4290917054 (0xFFC232BE)
YUV	109.0160, 39.9251, 74.5310
Hunter-Lab	41.7950, 66.4429, -42.1899

Details

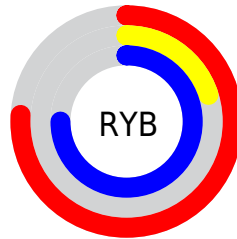
The XYZ color **32.6830, 17.4682, 50.3643** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **21.2738, 39.5289, 9.9996**, and the grayscale version is **14.4237, 15.1749, 16.5254**.

A 20% lighter version of the original color is **63.3460, 39.1551, 92.2147**, and **14.5973, 7.0118, 23.8766** is the 20% darker color. If you saturate the color by 10%, you get **31.9637, 16.1233, 49.8345**, and if you desaturate by 10%, it is **33.7551, 19.5173, 51.0130**.

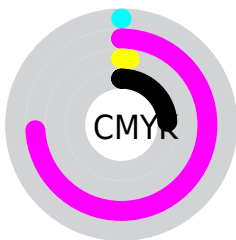
Distribution



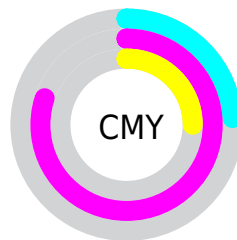
- Red (76%)
- Green (20%)
- Blue (75%)



- Red (76%)
- Yellow (20%)
- Blue (75%)



- Cyan (0%)
- Magenta (74%)
- Yellow (2%)
- Black (24%)





- Cyan (24%)
- Magenta (80%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6830, 17.4682, 50.3643 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 32.6830, 17.4682, 50.3643 by changing the saturation by 10% instead.

 32.6830, 17.4682,
50.3643


 32.6830, 17.4682,
50.3643


305.9092,
237.8562, 404.8647


 22.0418, 10.5689,
35.3297


 63.2383, 39.1290,
92.1163

 14.0044, 5.7777,
23.6314


 83.8831, 54.6593,
119.6707


 8.2054, 2.7104,
14.8508


 108.5931, 73.8354,
152.2356

 4.2796, 0.9825,
8.5693

 137.7337, 97.0416,
190.2294

 1.8615, 0.0000,
4.3684

 171.6703,
124.6625, 234.0707

 0.5543, 0.0000,
1.8295

210.7681,

 0.0000, 0.0000,

157.0822, 284.1779

0.4473

255.3927,
194.6853, 340.9698

■ 0.0000, 0.0000,
0.0000

■ 32.6830, 17.4682,
50.3643

■ 32.6830, 17.4682,
50.3643

■ 31.9637, 16.1233,
49.8345

■ 33.7551, 19.5173,
51.0130

■ 31.5474, 15.3844,
49.4066

■ 35.2174, 22.3472,
51.7928

■ 31.3916, 15.1268,
49.1882

■ 37.1050, 26.0272,
52.7154

■ 39.4483, 30.6183,
53.7909

■ 42.2750, 36.1759,
55.0287

■ 45.6107, 42.7511,
56.4372

■ 49.4791, 50.3912,
58.0244

■ 53.9023, 59.1407,
59.7976

■ 58.9014, 69.0416,
61.7638

Harmonies

Analogous

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



24.7696, 17.4682, 85.2363



32.6830, 17.4682, 50.3643



36.1440, 17.4682, 19.9187

Triad

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



32.6830, 17.4682, 50.3643



16.9139, 17.4682, 0.1029



6.7422, 17.4682, 47.4869

Complementary

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



32.6830, 17.4682, 50.3643



21.2738, 39.5289, 9.9996

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.



5.7922, 17.4682, 18.1485



32.6830, 17.4682, 50.3643



10.4633, 17.4682, 0.8173

Square

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



32.6830, 17.4682, 50.3643



25.4751, 17.4682, 0.9386



6.9131, 17.4682, 4.4572



10.0748, 17.4682, 82.8532

Rectangle

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



32.6830, 17.4682, 50.3643



34.8438, 17.4682, 8.3972



6.9131, 17.4682, 4.4572



6.1892, 17.4682, 36.1367

Sweetspot

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



32.6837, 17.4690, 50.3646



77.6520, 67.6308, 100.1511



12.3158, 6.9178, 51.7259



16.6643, 14.1397, 21.7860



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.



32.6837, 17.4690, 50.3646



57.3842, 28.2657, 89.7869



26.7555, 15.0978, 19.1476



10.4848, 10.2425, 12.6436



20.6440, 9.9474, 32.3672



0.8958, 0.4313, 1.4189

Inverse Universe

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



32.6837, 17.4690, 50.3646



57.3842, 28.2657, 89.7869



24.2715, 40.7279, 25.7850



10.4848, 10.2425, 12.6436



20.6440, 9.9474, 32.3672



0.8958, 0.4313, 1.4189

Previews

White Background



This preview shows how the XYZ color 32.6830, 17.4682, 50.3643 looks on a white background.

Color Contrast Check

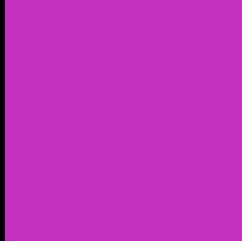
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6830, 17.4682, 50.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

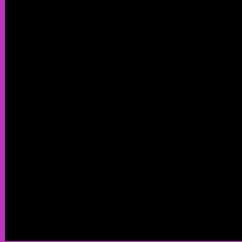
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.6830, 17.4682, 50.3643

Background



This preview shows how black text looks on a background with the XYZ color 32.6830, 17.4682, 50.3643.



This preview shows how white text looks on a background with the XYZ color 32.6830, 17.4682,

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

32.6830, 17.4682, 50.3643

Protanopia

21.3742, 17.8203, 83.9745

Deuteranopia

18.1398, 17.6709, 45.6348



Tritanopia

24.7446, 17.4782, 11.9670

Trichromacy



Original Color

32.6830, 17.4682, 50.3643



Protanomaly

19.2221, 13.7048, 70.0388



Deuteranomaly

20.7911, 15.4001, 47.2241



Tritanomaly

26.7068, 16.8622, 21.9258

Monochromacy



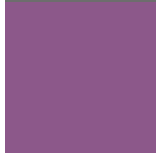
Original Color

32.6830, 17.4682, 50.3643



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

18.8924, 14.3899, 25.8265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6830, 17.4682, 50.3643 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(194, 50, 190)` looks like.

```
.text, #text, p{  
    color:rgb(194, 50, 190)  
}
```

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(194, 50, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 50, 190) }
```

Border

The CSS property to change the border of an element to XYZ 32.6830, 17.4682, 50.3643 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(194, 50, 190) }
```


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

```
.border{ border-color:rgb(194, 50, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 50, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 50, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 50, 190);  
box-shadow:4px 4px 4px 4px rgb(194, 50,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6830, 17.4682, 50.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 50, 190) }
```

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

```
.background{ background-color: rgb(194, 50,  
190) }
```

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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