

Converting Colors

XYZ(31.3821, 17.9450, 27.5349)

Have a look what the booklet for
XYZ(31.3821, 17.9450, 27.5349)
contains.

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Color

**XYZ(31.3483, 17.9183,
27.3975)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CC3B8E |
| RGB | 204, 59, 142 |
| RGB Percent | 80%, 23%, 56% |
| CMY | 0.2000, 0.7686, 0.4431 |
| CMYK | 0.00, 0.71, 0.30, 0.20 |
| HSL | 326°, 59%, 52% |
| HSV | 326°, 71%, 80% |
| XYZ | 31.3483, 17.9183, 27.3975 |
| YIQ | 111.8170, 59.7770, 56.5530 |

Conversions

Conversions Part 2

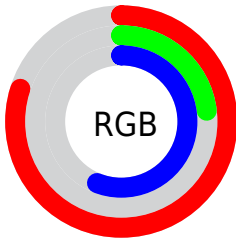
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 204, 59, 142 |
| Decimal | 13384590 |
| CIE _{Lab} | 49.40, 63.57, -13.51 |
| CIE _{LCh} | 49, 64.995, 348.002 |
| Yxy | 17.9183, 0.4089, 0.2337 |
| Android (android.graphics.Color) | 4291574670 (0xFFCC3B8E) |
| YUV | 111.8170, 14.8802, 80.8445 |
| Hunter-Lab | 42.3300, 58.1141, -8.7436 |

Details

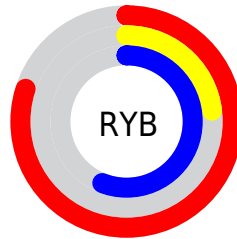
The XYZ color **31.3483, 17.9183, 27.3975** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **26.8488, 45.4966, 25.4586**, and the grayscale version is **15.2942, 16.0906, 17.5227**.

A 20% lighter version of the original color is **57.5651, 37.9681, 56.5191**, and **13.6088, 6.7924, 10.7190** is the 20% darker color. If you saturate the color by 10%, you get **29.8675, 15.9640, 23.7980**, and if you desaturate by 10%, it is **33.2910, 20.7139, 31.4042**.

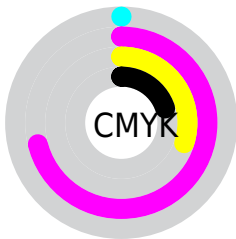
Distribution



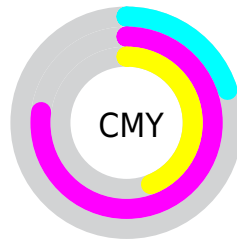
- Red (80%)
- Green (23%)
- Blue (56%)



- Red (80%)
- Yellow (23%)
- Blue (56%)



- Cyan (0%)
- Magenta (71%)
- Yellow (30%)
- Black (20%)





- Cyan (20%)
- Magenta (77%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3483, 17.9183, 27.3975 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 31.3483, 17.9183, 27.3975 by changing the saturation by 10% instead.


 31.3483, 17.9183,
27.3975


 31.3483, 17.9183,
27.3975


299.9380,
240.4101, 303.3975


 21.0173, 10.8913,
17.6369


 61.1601, 39.8981,
56.5325


 13.2492, 5.9938,
10.5229


 81.3717, 55.6197,
76.7441


 7.6786, 2.8413,
5.6369


 105.6076, 75.0083,
101.2763

 3.9400, 1.0495,
2.5604

 134.2330, 98.4483,
130.5479

 1.6683, 0.0000,
0.8719

 167.6134,
126.3241, 164.9772

 0.4363, 0.0000,
0.0000

206.1142,

 0.0000, 0.0000,

159.0200, 204.9829

0.0000

250.1006,
196.9206, 250.9835

■ 31.3483, 17.9183,
27.3975

■ 31.3483, 17.9183,
27.3975

■ 29.8675, 15.9640,
23.7980

■ 33.2910, 20.7139,
31.4042

■ 28.7948, 14.7461,
20.5815

■ 35.7376, 24.4339,
35.8372

■ 28.0991, 14.1163,
18.0018

■ 38.7273, 29.1542,
40.7151

■ 42.2944, 34.9421,
46.0546

■ 46.4706, 41.8592,
51.8714

■ 51.2849, 49.9621,
58.1800

■ 56.7647, 59.3037,
64.9944

■ 62.9355, 69.9338,
72.3278

■ 69.8215, 81.8992,
80.1928

Harmonies

Analogous

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



27.3716, 17.9183, 51.9110



31.3483, 17.9183, 27.3975



30.8711, 17.9183, 10.8303

Triad

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



31.3483, 17.9183, 27.3975



13.6433, 17.9183, 1.7991



10.3019, 17.9183, 56.8584

Complementary

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



31.3483, 17.9183, 27.3975



26.8488, 45.4966, 25.4586

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.



8.1042, 17.9183, 31.9047



31.3483, 17.9183, 27.3975



9.6904, 17.9183, 4.5228

Square

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



31.3483, 17.9183, 27.3975



19.5990, 17.9183, 1.6188



7.9111, 17.9183, 13.3033



14.6974, 17.9183, 74.6165

Rectangle

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



31.3483, 17.9183, 27.3975



28.1025, 17.9183, 5.2376



7.9111, 17.9183, 13.3033



9.3323, 17.9183, 48.5268

Sweetspot

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



31.3488, 17.9192, 27.3978



76.8116, 69.0754, 85.7040



20.1293, 11.4403, 58.2742



16.0057, 14.0599, 17.7510



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.



31.3488, 17.9192, 27.3978



48.4908, 25.2821, 36.6538



27.6066, 16.4224, 7.6914



11.4769, 11.3195, 13.0459



17.7333, 8.9039, 11.5803



0.9524, 0.4744, 0.7951

Inverse Universe

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



31.3488, 17.9192, 27.3978



48.4908, 25.2821, 36.6538



32.9024, 47.9180, 57.3363



11.4769, 11.3195, 13.0459



17.7333, 8.9039, 11.5803



0.9524, 0.4744, 0.7951

Previews

White Background



This preview shows how the XYZ color 31.3483, 17.9183, 27.3975 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 31.3483, 17.9183, 27.3975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

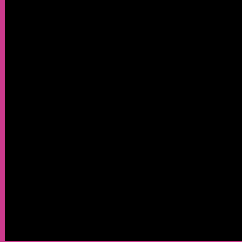
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3483, 17.9183, 27.3975

Background



This preview shows how black text looks on a background with the XYZ color 31.3483, 17.9183, 27.3975.



This preview shows how white text looks on a background with the XYZ color 31.3483, 17.9183,

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

31.3483, 17.9183, 27.3975

Protanopia

19.4087, 18.2894, 47.3070

Deuteranopia

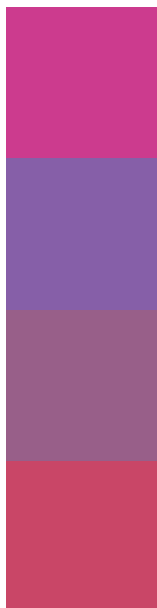
18.4598, 18.1203, 25.0789



Tritanopia

27.6228, 17.9051, 9.7847

Trichromacy



Original Color

31.3483, 17.9183, 27.3975

Protanomaly

20.9916, 16.0799, 39.0431

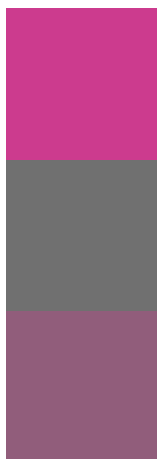
Deuteranomaly

21.5565, 16.6660, 25.7476

Tritanomaly

28.7257, 17.7771, 14.7493

Monochromacy



Original Color

31.3483, 17.9183, 27.3975

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

19.1666, 15.2785, 20.6777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3483, 17.9183, 27.3975 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(204, 59, 142)` looks like.

```
.text, #text, p{  
    color:rgb(204, 59, 142)  
}
```

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(204, 59, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 59, 142) }
```

Border

The CSS property to change the border of an element to XYZ 31.3483, 17.9183, 27.3975 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(204, 59, 142) }
```


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

```
.border{ border-color:rgb(204, 59, 142) }
```

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

Here you see how a box with a 4 pixel rgb(204, 59, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 59, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 59, 142);  
box-shadow:4px 4px 4px 4px rgb(204, 59,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3483, 17.9183, 27.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 59, 142) }
```

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

```
.background{ background-color: rgb(204, 59,  
142) }
```

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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