

Converting Colors

XYZ(31.4321, 17.0918, 19.5193)

Have a look what the booklet for
XYZ(31.4321, 17.0918, 19.5193)
contains.

XYZ(31.4054, 17.0809, 19.4110)	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(31.4054, 17.0809,
19.4110)**

Conversions

Conversions Part 1

Format	Color
Hex	D42B78
RGB	212, 43, 120
RGB Percent	83%, 17%, 47%
CMY	0.1686, 0.8313, 0.5294
CMYK	0.00, 0.80, 0.43, 0.17
HSL	333°, 66%, 50%
HSV	333°, 80%, 83%
XYZ	31.4054, 17.0809, 19.4110
YIQ	102.3090, 76.0070, 59.7750

Conversions

Conversions Part 2

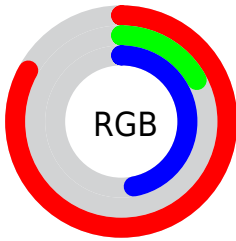
Format	Color
R_{YB}	212, 43, 120
Decimal	13904760
CIE _{Lab}	48.36, 68.25, -1.59
CIE _{LCh}	48, 68.265, 358.662
Yxy	17.0809, 0.4625, 0.2516
Android (android.graphics.Color)	4292094840 (0xFFD42B78)
YUV	102.3090, 8.7217, 96.1990
Hunter-Lab	41.3290, 63.3140, 1.0836

Details

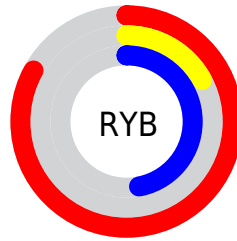
The XYZ color **31.4054, 17.0809, 19.4110** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **28.9144, 49.3504, 30.9283**, and the grayscale version is **12.6758, 13.3359, 14.5228**.

A 20% lighter version of the original color is **53.9441, 34.7539, 42.8947**, and **14.1186, 7.1433, 6.7655** is the 20% darker color. If you saturate the color by 10%, you get **30.1659, 15.6562, 15.7477**, and if you desaturate by 10%, it is **33.1304, 19.3414, 23.6530**.

Distribution



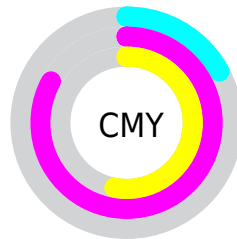
- Red (83%)
- Green (17%)
- Blue (47%)



- Red (83%)
- Yellow (17%)
- Blue (47%)



- Cyan (0%)
- Magenta (80%)
- Yellow (43%)
- Black (17%)





- Cyan (17%)
- Magenta (83%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4054, 17.0809, 19.4110 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 31.4054, 17.0809, 19.4110 by changing the saturation by 10% instead.

 31.4054, 17.0809,
19.4110


 31.4054, 17.0809,
19.4110


300.1953,
235.6382, 261.2063


 21.0611, 10.2922,
11.7878


 61.2493, 38.4648,
43.2734

 13.2814, 5.5931,
6.4786


 81.4796, 53.8288,
60.3496

 7.7009, 2.5993,
3.0648


 105.7359, 72.8200,
81.4140

 3.9544, 0.9263,
1.1278

 134.3836, 95.8228,
106.8850

 1.6763, 0.0000,
0.0000

 167.7880,
123.2217, 137.1812

 0.4414, 0.0000,
0.0000

206.3145,

 0.0000, 0.0000,

155.4009, 172.7211

0.0000

250.3285,
192.7449, 213.9233

■ 31.4054, 17.0809,
19.4110

■ 31.4054, 17.0809,
19.4110

■ 30.1659, 15.6562,
15.7477

■ 33.1304, 19.3414,
23.6530

■ 29.3117, 14.8719,
12.6146

■ 35.3968, 22.5451,
28.5059

■ 29.2895, 14.8523,
12.5305

■ 38.2538, 26.7861,
33.9998

■ 41.7445, 32.1462,
40.1616

■ 45.9077, 38.6990,
47.0165

■ 50.7787, 46.5118,
54.5883

■ 56.3907, 55.6467,
62.8992

■ 62.7744, 66.1619,
71.9705

■ 69.9589, 78.1119,
81.8226

Harmonies

Analogous

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



28.7733, 17.0809, 42.7692



31.4054, 17.0809, 19.4110



29.1850, 17.0809, 6.5151

Triad

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



31.4054, 17.0809, 19.4110



11.1382, 17.0809, 1.8128



10.7655, 17.0809, 66.0154

Complementary

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



31.4054, 17.0809, 19.4110



28.9144, 49.3504, 30.9283

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.



7.8260, 17.0809, 40.3966



31.4054, 17.0809, 19.4110



7.9992, 17.0809, 5.8495

Square

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



31.4054, 17.0809, 19.4110



16.5163, 17.0809, 1.0613



6.9592, 17.0809, 17.8084



15.9567, 17.0809, 78.3412

Rectangle

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



31.4054, 17.0809, 19.4110



25.5069, 17.0809, 2.8979



6.9592, 17.0809, 17.8084



9.5359, 17.0809, 58.1050

Sweetspot

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



31.4059, 17.0819, 19.4113



73.6294, 65.0115, 77.5513



22.4430, 11.4802, 63.3202



15.2010, 13.0211, 15.7243



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.



31.4059, 17.0819, 19.4113



44.8466, 22.8798, 20.3759



28.6712, 16.3387, 3.9294



12.6562, 12.5140, 14.1296



18.1312, 9.1888, 7.9948



1.1350, 0.5708, 0.7005

Inverse Universe

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



31.4059, 17.0819, 19.4113



44.8466, 22.8798, 20.3759



35.0402, 49.5868, 70.0115



12.6562, 12.5140, 14.1296



18.1312, 9.1888, 7.9948



1.1350, 0.5708, 0.7005

Previews

White Background



This preview shows how the XYZ color 31.4054, 17.0809, 19.4110 looks on a white background.

Color Contrast Check

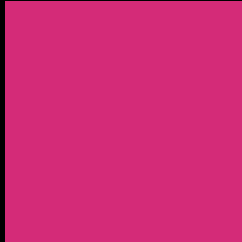
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4054, 17.0809, 19.4110 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 31.4054, 17.0809, 19.4110

Background



This preview shows how black text looks on a background with the XYZ color 31.4054, 17.0809, 19.4110.



This preview shows how white text looks on a background with the XYZ color 31.4054, 17.0809,

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

31.4054, 17.0809, 19.4110

Protanopia

17.9950, 17.4457, 37.0692

Deuteranopia

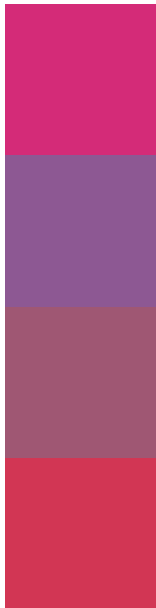
17.6209, 17.3474, 17.7489



Tritanopia

28.8076, 17.1459, 6.4938

Trichromacy



Original Color

31.4054, 17.0809, 19.4110

Protanomaly

19.7407, 14.7488, 29.4101

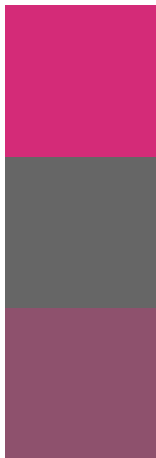
Deuteranomaly

20.8008, 15.4251, 18.1007

Tritanomaly

29.4977, 16.9801, 10.1103

Monochromacy



Original Color

31.4054, 17.0809, 19.4110

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

16.8581, 12.7398, 16.0385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4054, 17.0809, 19.4110 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(212, 43, 120)` looks like.

```
.text, #text, p{  
    color:rgb(212, 43, 120)  
}
```

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(212, 43, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 43, 120) }
```

Border

The CSS property to change the border of an element to XYZ 31.4054, 17.0809, 19.4110 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(212, 43, 120) }
```


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

```
.border{ border-color:rgb(212, 43, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 43, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 43, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 43, 120);  
box-shadow:4px 4px 4px 4px rgb(212, 43,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4054, 17.0809, 19.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 43, 120) }
```

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

```
.background{ background-color: rgb(212, 43,  
120) }
```

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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