

Converting Colors

XYZ(31.1167, 17.2645, 48.1470)

Have a look what the booklet for
XYZ(31.1167, 17.2645, 48.1470)
contains.

XYZ(31.1150, 17.2626, 48.1465)	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(31.1150, 17.2626,
48.1465)**

Conversions

Conversions Part 1

Format	Color
Hex	BC3ABA
RGB	188, 58, 186
RGB Percent	74%, 23%, 73%
CMY	0.2627, 0.7725, 0.2706
CMYK	0.00, 0.69, 0.01, 0.26
HSL	301°, 53%, 48%
HSV	301°, 69%, 74%
XYZ	31.1150, 17.2626, 48.1465
YIQ	111.4620, 36.3920, 67.3680

Conversions

Conversions Part 2

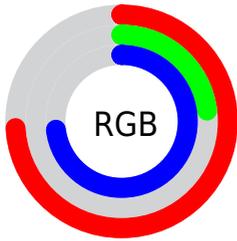
Format	Color
R _Y B	188, 58, 186
Decimal	12335802
CIE Lab	48.59, 66.20, -41.01
CIE LCh	49, 77.870, 328.222
Yxy	17.2626, 0.3224, 0.1788
Android (android.graphics.Color)	4290525882 (0xFFBC3ABA)
YUV	111.4620, 36.7472, 67.1238
Hunter-Lab	41.5483, 60.9670, -39.6219

Details

The XYZ color **31.1150, 17.2626, 48.1465** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **20.5445, 37.1930, 10.3720**, and the grayscale version is **15.1335, 15.9217, 17.3387**.

A 20% lighter version of the original color is **60.7808, 38.7360, 89.0673**, and **13.5249, 6.4912, 22.3699** is the 20% darker color. If you saturate the color by 10%, you get **30.3039, 15.6890, 47.7246**, and if you desaturate by 10%, it is **32.2734, 19.5296, 48.6847**.

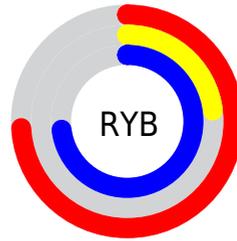
Distribution



Red (74%)

Green (23%)

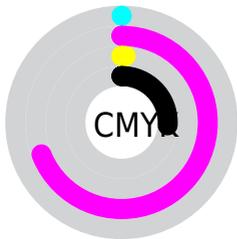
Blue (73%)



Red (74%)

Yellow (23%)

Blue (73%)

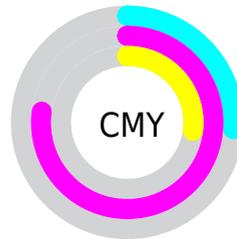


Cyan (0%)

Magenta (69%)

Yellow (1%)

Black (26%)



Cyan (26%)

Magenta (77%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1150, 17.2626, 48.1465 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 31.1150, 17.2626, 48.1465 by changing the saturation by 10% instead.

 31.1150, 17.2626,
48.1465

 31.1150, 17.2626,
48.1465

298.8852,
236.6812, 395.8980

 20.8387, 10.4219,
33.5821

 60.7957, 38.7767,
88.7903

 13.1179, 5.6796,
22.2980

 80.9308, 54.2189,
115.7068

 7.5874, 2.6512,
13.8756

 105.0829, 73.2971,
147.5777

 3.8816, 0.9525,
7.8964

 133.6172, 96.3956,
184.8216

 1.6354, 0.0000,
3.9419

 166.8993,
123.8989, 227.8571

 0.4153, 0.0000,
1.5935

205.2944,

 0.0000, 0.0000,

156.1913, 277.1026

0.2862

249.1679,
193.6573, 332.9767

■ 0.0000, 0.0000,
0.0000

■ 31.1150, 17.2626,
48.1465

■ 31.1150, 17.2626,
48.1465

■ 30.3039, 15.6890,
47.7246

■ 32.2734, 19.5296,
48.6847

■ 29.7983, 14.7269,
47.4048

■ 33.8110, 22.5554,
49.3494

■ 29.5277, 14.2347,
47.1636

■ 35.7581, 26.4002,
50.1510

■ 29.5077, 14.1989,
47.1440

■ 38.1417, 31.1177,
51.0984

■ 40.9862, 36.7571,
52.1997

■ 44.3144, 43.3637,
53.4626

■ 48.1476, 50.9802,
54.8941

■ 52.5056, 59.6463,
56.5009

■ 57.4074, 69.3998,
58.2892

Harmonies

Analogous

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



23.8173, 17.2626, 79.3412



31.1150, 17.2626, 48.1465



34.3745, 17.2626, 20.0462

Triad

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



31.1150, 17.2626, 48.1465



16.8385, 17.2626, 0.4154



7.0206, 17.2626, 44.2873

Complementary

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



31.1150, 17.2626, 48.1465



20.5445, 37.1930, 10.3720

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.



6.1351, 17.2626, 17.5989



31.1150, 17.2626, 48.1465



10.7201, 17.2626, 1.0632

Square

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



31.1150, 17.2626, 48.1465



24.7786, 17.2626, 1.2538



7.2660, 17.2626, 4.7391



10.1726, 17.2626, 76.1884

Rectangle

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



31.1150, 17.2626, 48.1465



33.2670, 17.2626, 8.9658



7.2660, 17.2626, 4.7391



6.4969, 17.2626, 34.0182

Sweetspot

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



31.1157, 17.2634, 48.1468



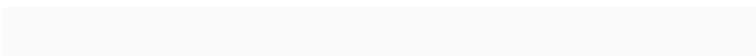
73.0737, 64.2222, 94.1397



12.3358, 7.5573, 48.3862



15.4011, 13.1899, 20.1235



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



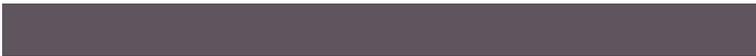
31.1157, 17.2634, 48.1468



54.3788, 27.3965, 86.1690



25.8280, 15.1483, 20.3027



9.9235, 9.6937, 11.9860



20.0928, 9.6683, 32.1119



0.7891, 0.3795, 1.2686

Inverse Universe

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



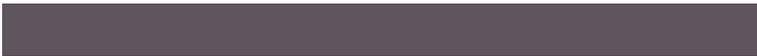
31.1157, 17.2634, 48.1468



54.3788, 27.3965, 86.1690



23.3041, 38.2968, 24.9038



9.9235, 9.6937, 11.9860



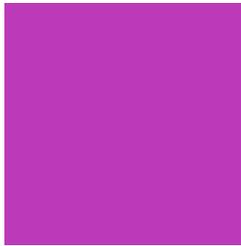
20.0928, 9.6683, 32.1119



0.7891, 0.3795, 1.2686

Previews

White Background



This preview shows how the XYZ color 31.1150, 17.2626, 48.1465 looks on a white background.

Color Contrast Check

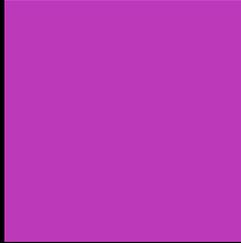
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1150, 17.2626, 48.1465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

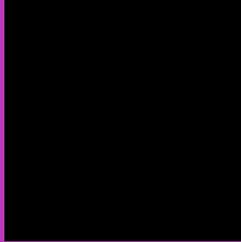
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.1150, 17.2626, 48.1465

Background



This preview shows how black text looks on a background with the XYZ color 31.1150, 17.2626, 48.1465.

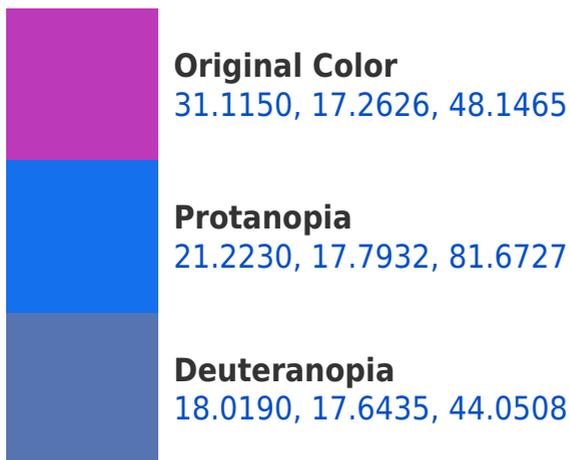


This preview shows how white text looks on a background with the XYZ color 31.1150, 17.2626,

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





Tritanopia

23.8702, 17.2526, 12.6617

Trichromacy



Original Color

31.1150, 17.2626, 48.1465



Protanomaly

19.8754, 14.4656, 68.0743



Deuteranomaly

20.4988, 15.6907, 45.1282



Tritanomaly

25.7760, 16.7851, 21.9600

Monochromacy



Original Color

31.1150, 17.2626, 48.1465



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

19.0621, 14.9782, 25.9312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1150, 17.2626, 48.1465 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(188, 58, 186)` looks like.

```
.text, #text, p{  
    color:rgb(188, 58, 186)  
}
```

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(188, 58, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 58, 186) }
```

Border

The CSS property to change the border of an element to XYZ 31.1150, 17.2626, 48.1465 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(188, 58, 186) }
```

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

```
.border{ border-color:rgb(188, 58, 186) }
```

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

Here you see how a box with a 4 pixel rgb(188, 58, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 58, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 58, 186);  
box-shadow:4px 4px 4px 4px rgb(188, 58,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1150, 17.2626, 48.1465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 58, 186) }
```

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

```
.background{ background-color: rgb(188, 58,  
186) }
```

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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