

Converting Colors

XYZ(31.0489, 18.8731, 55.4325)

Have a look what the booklet for
XYZ(31.0489, 18.8731, 55.4325)
contains.

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Color

**XYZ(31.0489, 18.8731,
55.4325)**

Conversions

Conversions Part 1

Format	Color
Hex	B14EC6
RGB	177, 78, 198
RGB Percent	69%, 31%, 78%
CMY	0.3059, 0.6941, 0.2235
CMYK	0.11, 0.61, 0.00, 0.22
HSL	290°, 51%, 54%
HSV	290°, 61%, 78%
XYZ	31.0489, 18.8731, 55.4325
YIQ	121.2810, 20.4840, 58.3080

Conversions

Conversions Part 2

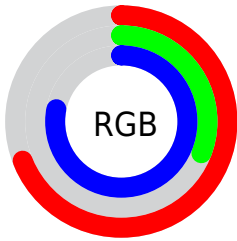
Format	Color
RYB	177, 78, 198
Decimal	11620038
CIELab	50.54, 57.55, -44.98
CIElCh	51, 73.041, 321.992
Yxy	18.8731, 0.2947, 0.1791
Android (android.graphics.Color)	4289810118 (0xFFB14EC6)
YUV	121.2810, 37.8225, 48.8656
Hunter-Lab	43.4432, 51.5486, -45.2424

Details

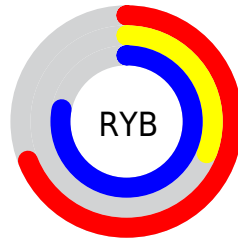
The XYZ color **31.0489, 18.8731, 55.4325** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **26.7154, 43.5913, 14.2144**, and the grayscale version is **18.1424, 19.0872, 20.7860**.

A 20% lighter version of the original color is **60.5622, 41.3847, 99.4038**, and **13.0435, 6.4490, 26.5439** is the 20% darker color. If you saturate the color by 10%, you get **29.0690, 16.0695, 54.9960**, and if you desaturate by 10%, it is **33.4737, 22.5354, 56.0119**.

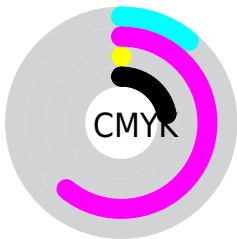
Distribution



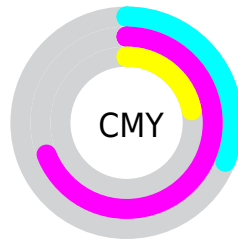
- Red (69%)
- Green (31%)
- Blue (78%)



- Red (69%)
- Yellow (31%)
- Blue (78%)



- Cyan (11%)
- Magenta (61%)
- Yellow (0%)
- Black (22%)





- Cyan (31%)
- Magenta (69%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0489, 18.8731, 55.4325 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 31.0489, 18.8731, 55.4325 by changing the saturation by 10% instead.

 31.0489, 18.8731,
55.4325


 31.0489, 18.8731,
55.4325


298.5864,
245.7473, 424.8774

 20.7881, 11.5786,
39.3472


 60.6924, 41.5196,
99.6518


 13.0808, 6.4574,
26.7200


 80.8057, 57.6403,
128.6229

 7.5616, 3.1252,
17.1325


 104.9340, 77.4720,
162.7264

 3.8651, 1.1974,
10.1660

 133.4426,
101.3989, 202.3806

 1.6261, 0.0596,
5.4021

 166.6967,
129.8055, 248.0044

 0.4093, 0.0000,
2.4223

205.0618,

 0.0000, 0.0000,

163.0762, 300.0160

0.7985

248.9033,
201.5953, 358.8342

■ 0.0000, 0.0000,
0.0000

■ 31.0489, 18.8731,
55.4325

■ 31.0489, 18.8731,
55.4325

■ 29.0690, 16.0695,
54.9960

■ 33.4737, 22.5354,
56.0119

■ 27.4923, 14.0435,
54.6880

■ 36.3758, 27.1229,
56.7444

■ 26.2728, 12.7024,
54.4935

■ 39.7870, 32.6985,
57.6408

■ 25.3694, 11.9009,
54.3864

■ 43.7357, 39.3187,
58.7105

■ 48.2480, 47.0357,
59.9622

■ 53.3486, 55.8983,
61.4041

■ 59.0604, 65.9522,
63.0436

■ 65.4050, 77.2408,
64.8881

■ 72.0178, 89.0341,
66.8159

Harmonies

Analogous

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



23.5757, 18.8731, 82.6577



31.0489, 18.8731, 55.4325



35.2202, 18.8731, 26.5166

Triad

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



31.0489, 18.8731, 55.4325



19.9160, 18.8731, 1.0369



7.9951, 18.8731, 39.0315

Complementary

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



31.0489, 18.8731, 55.4325



26.7154, 43.5913, 14.2144

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.



7.5016, 18.8731, 15.5524



31.0489, 18.8731, 55.4325



13.2799, 18.8731, 1.4127

Square

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



31.0489, 18.8731, 55.4325



27.7701, 18.8731, 2.5432



9.1616, 18.8731, 4.6176



10.7534, 18.8731, 69.5854

Rectangle

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



31.0489, 18.8731, 55.4325



34.9614, 18.8731, 13.4253



9.1616, 18.8731, 4.6176



7.5946, 18.8731, 29.8317

Sweetspot

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



31.0496, 18.8739, 55.4329



79.2214, 72.6383, 104.4529



17.8928, 14.8121, 55.3423



16.4781, 14.7354, 22.2257



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.



31.0496, 18.8739, 55.4329



50.4234, 27.0546, 97.1722



32.3588, 19.9933, 35.4120



10.8940, 10.7191, 13.4123



16.5628, 7.7727, 35.3717



0.8335, 0.3934, 1.6772

Inverse Universe

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



28.2658, 18.3561, 13.8584



45.7288, 26.4458, 15.1158



26.4890, 43.2693, 23.4796



10.7084, 10.6667, 11.4476



15.3616, 7.8942, 1.8481



0.7514, 0.3834, 0.2138

Previews

White Background



This preview shows how the XYZ color 31.0489, 18.8731, 55.4325 looks on a white background.

Color Contrast Check

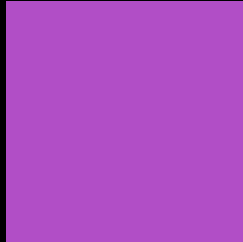
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.0489, 18.8731, 55.4325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

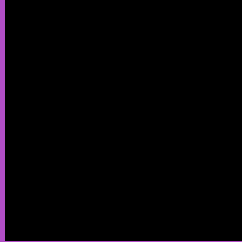
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.0489, 18.8731, 55.4325

Background



This preview shows how black text looks on a background with the XYZ color 31.0489, 18.8731, 55.4325.



This preview shows how white text looks on a background with the XYZ color 31.0489, 18.8731,

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

31.0489, 18.8731, 55.4325

Protanopia

22.6233, 19.3737, 81.1444

Deuteranopia

19.6989, 19.2314, 51.3890



Tritanopia

23.1818, 18.8256, 17.1637

Trichromacy



Original Color

31.0489, 18.8731, 55.4325



Protanomaly

22.8589, 17.4612, 71.2728



Deuteranomaly

22.0133, 17.7353, 52.7151



Tritanomaly

25.2474, 18.3934, 27.8108

Monochromacy



Original Color

31.0489, 18.8731, 55.4325



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.4609, 17.9358, 30.7646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0489, 18.8731, 55.4325 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(177, 78, 198)` looks like.

```
.text, #text, p{  
    color:rgb(177, 78, 198)  
}
```

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(177, 78, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 78, 198) }
```

Border

The CSS property to change the border of an element to XYZ 31.0489, 18.8731, 55.4325 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(177, 78, 198) }
```


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

```
.border{ border-color:rgb(177, 78, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 78, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 78, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 78, 198);  
box-shadow:4px 4px 4px 4px rgb(177, 78,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0489, 18.8731, 55.4325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 78, 198) }
```

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

```
.background{ background-color: rgb(177, 78,  
198) }
```

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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