

Converting Colors

XYZ(31.5291, 18.9247, 47.9145)

Have a look what the booklet for
XYZ(31.5291, 18.9247, 47.9145)
contains.

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Color

**XYZ(31.4554, 18.8394,
47.8774)**

Conversions

Conversions Part 1

Format	Color
Hex	BA4AB9
RGB	186, 74, 185
RGB Percent	73%, 29%, 73%
CMY	0.2706, 0.7098, 0.2745
CMYK	0.00, 0.60, 0.01, 0.27
HSL	301°, 45%, 51%
HSV	301°, 60%, 73%
XYZ	31.4554, 18.8394, 47.8774
YIQ	120.1420, 31.1210, 58.2650

Conversions

Conversions Part 2

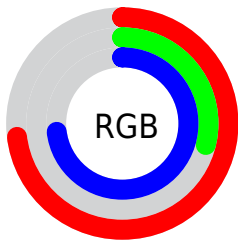
Format	Color
R_{YB}	186, 74, 185
Decimal	12208825
CIE _{Lab}	50.50, 59.22, -37.43
CIE _{LCh}	50, 70.057, 327.703
Yxy	18.8394, 0.3204, 0.1919
Android (android.graphics.Color)	4290398905 (0xFFBA4AB9)
YUV	120.1420, 31.9750, 57.7575
Hunter-Lab	43.4044, 53.4023, -35.0170

Details

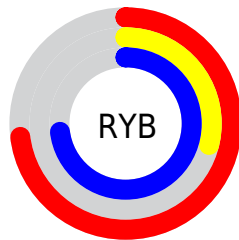
The XYZ color **31.4554, 18.8394, 47.8774** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **21.6538, 37.0824, 12.6740**, and the grayscale version is **17.7927, 18.7193, 20.3854**.

A 20% lighter version of the original color is **61.5335, 41.5238, 88.7761**, and **13.3352, 6.4496, 22.0148** is the 20% darker color. If you saturate the color by 10%, you get **30.3749, 16.7060, 47.4309**, and if you desaturate by 10%, it is **32.9043, 21.7086, 48.4471**.

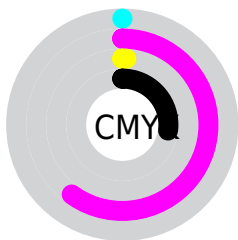
Distribution



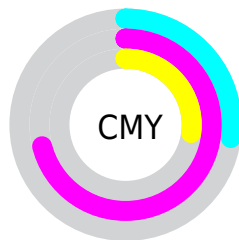
- Red (73%)
- Green (29%)
- Blue (73%)



- Red (73%)
- Yellow (29%)
- Blue (73%)



- Cyan (0%)
- Magenta (60%)
- Yellow (1%)
- Black (27%)




- Cyan (27%)
- Magenta (71%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4554, 18.8394, 47.8774 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 31.4554, 18.8394, 47.8774 by changing the saturation by 10% instead.


 31.4554, 18.8394,
47.8774

 31.4554, 18.8394,
47.8774


300.4204,
245.5607, 394.8006

 21.0994, 11.5543,
33.3705


 61.3273, 41.4625,
88.3855


 13.3096, 6.4410,
22.1370


 81.5740, 57.5694,
115.2238

 7.7205, 3.1150,
13.7583


 105.8482, 77.3856,
147.0096

 3.9669, 1.1921,
7.8159

 134.5153,
101.2955, 184.1615

 1.6834, 0.0552,
3.8913

 167.9408,
129.6836, 227.0980

 0.4459, 0.0000,
1.5659

206.4899,

 0.0000, 0.0000,

162.9342, 276.2377

0.2663

250.5280,
201.4318, 331.9990

■ 0.0000, 0.0000,
0.0000

■ 31.4554, 18.8394,
47.8774

■ 31.4554, 18.8394,
47.8774

■ 30.3749, 16.7060,
47.4309

■ 32.9043, 21.7086,
48.4471

■ 29.6274, 15.2390,
47.0953

■ 34.7490, 25.3698,
49.1488

■ 29.1741, 14.3603,
46.8579

■ 37.0165, 29.8766,
49.9914

■ 28.9373, 13.9142,
46.6946

■ 39.7309, 35.2774,
50.9832

■ 42.9147, 41.6167,
52.1314

■ 46.5886, 48.9362,
53.4432

■ 50.7721, 57.2750,
54.9249

■ 55.4839, 66.6701,
56.5828

■ 60.7414, 77.1567,
58.4228

Harmonies

Analogous

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



24.7299, 18.8394, 75.0632



31.4554, 18.8394, 47.8774



34.4900, 18.8394, 22.0573

Triad

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



31.4554, 18.8394, 47.8774



18.4377, 18.8394, 1.2117



8.6158, 18.8394, 43.4294

Complementary

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



31.4554, 18.8394, 47.8774



21.6538, 37.0824, 12.6740

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.



7.7303, 18.8394, 19.0423



31.4554, 18.8394, 47.8774



12.4698, 18.8394, 1.9838

Square

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



31.4554, 18.8394, 47.8774



25.8776, 18.8394, 2.3186



8.9430, 18.8394, 6.2672



11.7673, 18.8394, 71.5408

Rectangle

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



31.4554, 18.8394, 47.8774



33.5525, 18.8394, 11.0717



8.9430, 18.8394, 6.2672



8.0847, 18.8394, 34.2031

Sweetspot

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



31.4561, 18.8403, 47.8778



73.0517, 66.0076, 92.7850



14.1366, 9.8995, 47.6207



15.7404, 13.8456, 20.3070



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.



31.4561, 18.8403, 47.8778



54.5918, 29.3677, 85.7689



26.7286, 16.9492, 22.9829



9.3774, 9.1613, 11.3348



19.4695, 9.3615, 31.4226



0.6875, 0.3305, 1.1136

Inverse Universe

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



31.4561, 18.8403, 47.8778



54.5918, 29.3677, 85.7689



24.4130, 38.1861, 27.2041



9.3774, 9.1613, 11.3348



19.4695, 9.3615, 31.4226



0.6875, 0.3305, 1.1136

Previews

White Background



This preview shows how the XYZ color 31.4554, 18.8394, 47.8774 looks on a white background.

Color Contrast Check

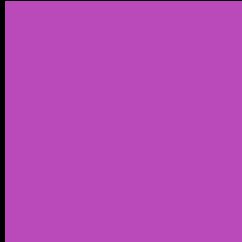
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4554, 18.8394, 47.8774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

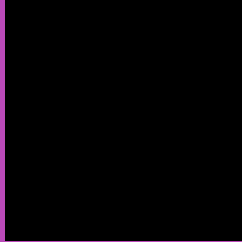
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4554, 18.8394, 47.8774

Background



This preview shows how black text looks on a background with the XYZ color 31.4554, 18.8394, 47.8774.



This preview shows how white text looks on a background with the XYZ color 31.4554, 18.8394,

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

31.4554, 18.8394, 47.8774

Protanopia

21.9958, 19.2282, 73.0731

Deuteranopia

19.5820, 19.1487, 44.2589



Tritanopia

24.6779, 18.7790, 15.4207

Trichromacy



Original Color

31.4554, 18.8394, 47.8774



Protanomaly

22.5932, 17.2117, 63.1042



Deuteranomaly

22.1417, 17.6629, 45.4223



Tritanomaly

26.6284, 18.5415, 24.3657

Monochromacy



Original Color

31.4554, 18.8394, 47.8774



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

21.3859, 17.6434, 28.6639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4554, 18.8394, 47.8774 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(186, 74, 185)` looks like.

```
.text, #text, p{  
    color:rgb(186, 74, 185)  
}
```

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(186, 74, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 74, 185) }
```

Border

The CSS property to change the border of an element to XYZ 31.4554, 18.8394, 47.8774 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(186, 74, 185) }
```


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

```
.border{ border-color:rgb(186, 74, 185) }
```

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

Here you see how a box with a 4 pixel rgb(186, 74, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 74, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 74, 185);  
box-shadow:4px 4px 4px 4px rgb(186, 74,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4554, 18.8394, 47.8774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 74, 185) }
```

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

```
.background{ background-color: rgb(186, 74,  
185) }
```

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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