

Converting Colors

XYZ(31.2082, 18.3890, 54.7764)

Have a look what the booklet for
XYZ(31.2082, 18.3890, 54.7764)
contains.

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Color

**XYZ(31.2178, 18.3692,
54.7236)**

Conversions

Conversions Part 1

Format	Color
Hex	B448C5
RGB	180, 72, 197
RGB Percent	71%, 28%, 77%
CMY	0.2941, 0.7176, 0.2274
CMYK	0.09, 0.63, 0.00, 0.23
HSL	292°, 52%, 53%
HSV	292°, 63%, 77%
XYZ	31.2178, 18.3692, 54.7236
YIQ	118.5420, 24.2430, 61.7710

Conversions

Conversions Part 2

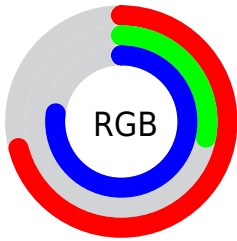
Format	Color
RYB	180, 72, 197
Decimal	11815109
CIELab	49.94, 60.75, -45.32
CIELCh	50, 75.794, 323.275
Yxy	18.3692, 0.2993, 0.1761
Android (android.graphics.Color)	4290005189 (0xFFB448C5)
YUV	118.5420, 38.6798, 53.8987
Hunter-Lab	42.8593, 55.0118, -45.7011

Details

The XYZ color **31.2178, 18.3692, 54.7236** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **25.2563, 42.5246, 13.0085**, and the grayscale version is **17.2676, 18.1668, 19.7837**.

A 20% lighter version of the original color is **60.7387, 40.5116, 98.3842**, and **13.1947, 6.2381, 26.0998** is the 20% darker color. If you saturate the color by 10%, you get **29.5248, 15.8995, 54.3364**, and if you desaturate by 10%, it is **33.3323, 21.6625, 55.2481**.

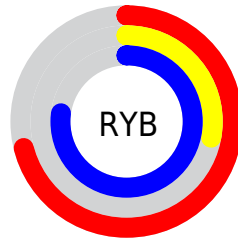
Distribution



Red (71%)

Green (28%)

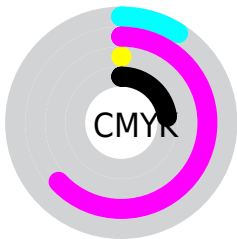
Blue (77%)



Red (71%)

Yellow (28%)

Blue (77%)

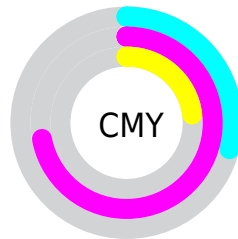


Cyan (9%)

Magenta (63%)

Yellow (0%)

Black (23%)



Cyan (29%)

Magenta (72%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2178, 18.3692, 54.7236 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 31.2178, 18.3692, 54.7236 by changing the saturation by 10% instead.

31.2178, 18.3692,
54.7236

31.2178, 18.3692,
54.7236

299.3495,
242.9439, 422.1157

20.9174, 11.2154,
38.7834

60.9563, 40.6654,
98.6030

13.1757, 6.2119,
26.2847

81.1252, 56.5766,
127.3792

7.6275, 2.9744,
16.8091

105.3142, 76.1758,
161.2711

3.9073, 1.1184,
9.9379

133.8887, 99.8472,
200.6973

1.6498, 0.0000,
5.2528

167.2142,
127.9753, 246.0763

0.4246, 0.0000,
2.3350

205.6559,

0.0000, 0.0000,

160.9445, 297.8267

0.7507

249.5792,
199.1393, 356.3670

■ 0.0000, 0.0000,
0.0000

■ 31.2178, 18.3692,
54.7236

■ 31.2178, 18.3692,
54.7236

■ 29.5248, 15.8995,
54.3364

■ 33.3323, 21.6625,
55.2481

■ 28.2103, 14.1699,
54.0718

■ 35.9013, 25.8476,
55.9205

■ 27.2263, 13.0833,
53.9140

■ 38.9570, 30.9882,
56.7517

■ 26.7010, 12.6007,
53.8485

■ 42.5282, 37.1413,
57.7511

■ 46.6413, 44.3598,
58.9277

■ 51.3206, 52.6927,
60.2894

■ 56.5894, 62.1859,
61.8441

■ 62.4693, 72.8827,
63.5989

■ 68.9809, 84.8244,
65.5607

Harmonies

Analogous

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



23.5806, 18.3692, 83.8448



31.2178, 18.3692, 54.7236



35.3286, 18.3692, 25.0604

Triad

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



31.2178, 18.3692, 54.7236



19.1466, 18.3692, 0.7573



7.5151, 18.3692, 40.3371

Complementary

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



31.2178, 18.3692, 54.7236



25.2563, 42.5246, 13.0085

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.



6.9373, 18.3692, 15.6728



31.2178, 18.3692, 54.7236



12.5013, 18.3692, 1.1646

Square

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



31.2178, 18.3692, 54.7236



27.2141, 18.3692, 2.0195



8.4866, 18.3692, 4.3495



10.3683, 18.3692, 72.2465

Rectangle

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



31.2178, 18.3692, 54.7236



34.8871, 18.3692, 12.1498



8.4866, 18.3692, 4.3495



7.0882, 18.3692, 30.6643

Sweetspot

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



31.2185, 18.3700, 54.7240



79.1113, 71.6596, 104.2698



16.4709, 12.8492, 54.4357



16.4893, 14.5623, 22.1917



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.



31.2185, 18.3700, 54.7240



51.9292, 27.1784, 97.1167



31.1143, 18.8139, 32.2376



10.9358, 10.7407, 13.4143



17.6143, 8.3147, 35.4209



0.8743, 0.4145, 1.6791

Inverse Universe

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



27.1470, 17.2269, 11.3461



44.6625, 25.3161, 11.6688



25.7772, 42.5658, 23.3051



10.6916, 10.6600, 11.3594



15.2919, 7.8663, 1.4813



0.7437, 0.3803, 0.1736

Previews

White Background



This preview shows how the XYZ color 31.2178, 18.3692, 54.7236 looks on a white background.

Color Contrast Check

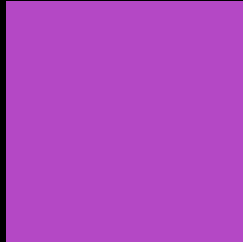
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2178, 18.3692, 54.7236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

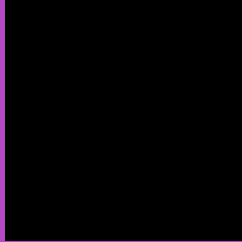
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2178, 18.3692, 54.7236

Background



This preview shows how black text looks on a background with the XYZ color 31.2178, 18.3692, 54.7236.

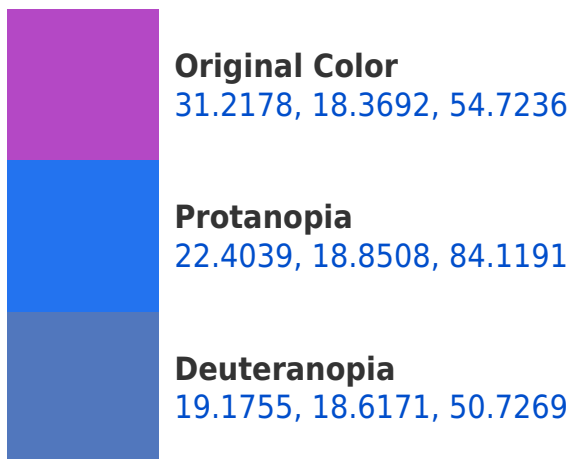


This preview shows how white text looks on a background with the XYZ color 31.2178, 18.3692,

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

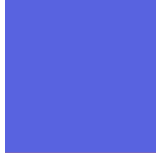
23.2118, 18.2891, 15.9424

Trichromacy



Original Color

31.2178, 18.3692, 54.7236



Protanomaly

21.9409, 16.3802, 72.5263



Deuteranomaly

21.6019, 17.0904, 52.0294



Tritanomaly

25.2458, 17.7795, 26.5273

Monochromacy



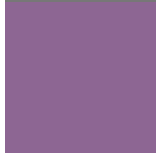
Original Color

31.2178, 18.3692, 54.7236



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

21.0023, 17.2720, 29.8307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2178, 18.3692, 54.7236 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(180, 72, 197)` looks like.

```
.text, #text, p{  
    color:rgb(180, 72, 197)  
}
```

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(180, 72, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 72, 197) }
```

Border

The CSS property to change the border of an element to XYZ 31.2178, 18.3692, 54.7236 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(180, 72, 197) }
```


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

```
.border{ border-color:rgb(180, 72, 197) }
```

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

Here you see how a box with a 4 pixel rgb(180, 72, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 72, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 72, 197);  
box-shadow:4px 4px 4px 4px rgb(180, 72,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2178, 18.3692, 54.7236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 72, 197) }
```

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

```
.background{ background-color: rgb(180, 72,  
197) }
```

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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