

Converting Colors

XYZ(31.3703, 18.9739, 60.3937)

Have a look what the booklet for
XYZ(31.3703, 18.9739, 60.3937)
contains.

XYZ(31.3205, 18.9037, 60.3905)	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(31.3205, 18.9037,
60.3905)**

Conversions

Conversions Part 1

Format	Color
Hex	AE4ECE
RGB	174, 78, 206
RGB Percent	68%, 31%, 81%
CMY	0.3176, 0.6941, 0.1922
CMYK	0.16, 0.62, 0.00, 0.19
HSL	285°, 57%, 56%
HSV	285°, 62%, 81%
XYZ	31.3205, 18.9037, 60.3905
YIQ	121.2960, 16.1280, 60.1600

Conversions

Conversions Part 2

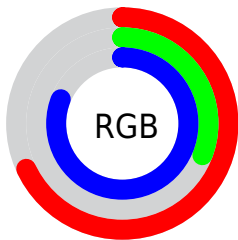
Format	Color
R_{YB}	174, 78, 206
Decimal	11423438
CIE _{Lab}	50.57, 58.40, -49.54
CIE _{LCh}	51, 76.580, 319.691
Yxy	18.9037, 0.2831, 0.1709
Android (android.graphics.Color)	4289613518 (0xFFAE4ECE)
YUV	121.2960, 41.7591, 46.2214
Hunter-Lab	43.4784, 52.4988, -51.9176

Details

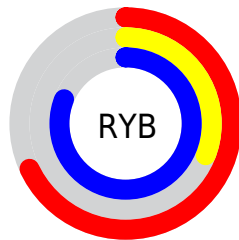
The XYZ color **31.3205, 18.9037, 60.3905** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **29.8774, 48.0081, 14.9003**, and the grayscale version is **18.1359, 19.0804, 20.7786**.

A 20% lighter version of the original color is **59.5800, 40.8783, 99.3578**, and **13.2576, 6.4868, 29.8315** is the 20% darker color. If you saturate the color by 10%, you get **28.9542, 15.8413, 59.9244**, and if you desaturate by 10%, it is **34.1905, 22.9069, 61.0122**.

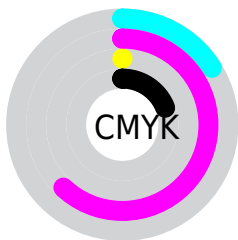
Distribution



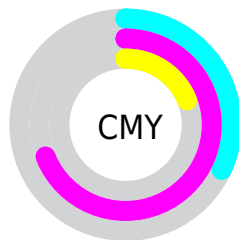
- Red (68%)
- Green (31%)
- Blue (81%)



- Red (68%)
- Yellow (31%)
- Blue (81%)



- Cyan (16%)
- Magenta (62%)
- Yellow (0%)
- Black (19%)





- Cyan (32%)
- Magenta (69%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3205, 18.9037, 60.3905 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 31.3205, 18.9037, 60.3905 by changing the saturation by 10% instead.


 31.3205, 18.9037,
60.3905


 31.3205, 18.9037,
60.3905

299.8127,
245.9166, 443.8802


 20.9960, 11.6007,
43.3061


 61.1167, 41.5713,
106.9448


 13.2336, 6.4724,
29.7922


 81.3192, 57.7047,
137.2519


 7.6677, 3.1344,
19.4302


 105.5451, 77.5504,
172.8035

 3.9331, 1.2023,
11.8016

 134.1597,
101.4928, 214.0184

 1.6643, 0.0636,
6.4878

 167.5284,
129.9161, 261.3149

 0.4338, 0.0000,
3.0704

206.0166,

 0.0000, 0.0000,

163.2050, 315.1117

1.1307

249.9896,
201.7437, 375.8273

■ 0.0000, 0.0000,
0.0000

■ 31.3205, 18.9037,
60.3905

■ 31.3205, 18.9037,
60.3905

■ 28.9542, 15.8413,
59.9244

■ 34.1905, 22.9069,
61.0122

■ 27.0445, 13.6281,
59.5979

■ 37.6013, 27.9262,
61.8013

■ 25.5383, 12.1581,
59.3935

■ 41.5886, 34.0319,
62.7697

■ 24.5626, 11.3756,
59.2939

■ 46.1845, 41.2873,
63.9279

■ 51.4185, 49.7509,
65.2856

■ 57.3181, 59.4770,
66.8520

■ 63.9092, 70.5166,
68.6355

■ 71.2162, 82.9180,
70.6441

■ 76.5223, 91.2468,
71.9720

Harmonies

Analogous

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



23.2632, 18.9037, 88.8369



31.3205, 18.9037, 60.3905



36.1610, 18.9037, 28.8705

Triad

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



31.3205, 18.9037, 60.3905



20.6665, 18.9037, 0.8287



7.5418, 18.9037, 37.8186

Complementary

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



31.3205, 18.9037, 60.3905



29.8774, 48.0081, 14.9003

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.



7.2055, 18.9037, 14.0558



31.3205, 18.9037, 60.3905



13.5432, 18.9037, 1.0583

Square

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



31.3205, 18.9037, 60.3905



28.9719, 18.9037, 2.4400



9.0789, 18.9037, 3.7799



10.1759, 18.9037, 70.6918

Rectangle

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



31.3205, 18.9037, 60.3905



36.2040, 18.9037, 14.3977



9.0789, 18.9037, 3.7799



7.1909, 18.9037, 28.3259

Sweetspot

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



31.3213, 18.9045, 60.3909



77.1773, 70.6626, 104.1793



19.8591, 17.2287, 60.6716



16.0167, 14.3187, 22.1696



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.



31.3213, 18.9045, 60.3909



45.6541, 24.1512, 96.8631



35.8185, 21.6273, 42.3317



11.4030, 11.2571, 14.1422



15.2175, 7.0525, 36.5155



0.8518, 0.3982, 1.8869

Inverse Universe

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



30.9930, 19.6971, 16.9210



45.9596, 26.0588, 17.8091



28.0283, 46.8886, 22.3259



11.3255, 11.2589, 12.2485



16.0814, 8.2432, 2.8815



0.8610, 0.4378, 0.3137

Previews

White Background



This preview shows how the XYZ color 31.3205, 18.9037, 60.3905 looks on a white background.

Color Contrast Check

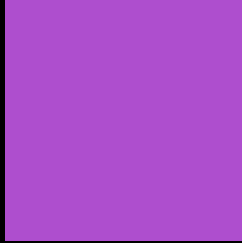
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3205, 18.9037, 60.3905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

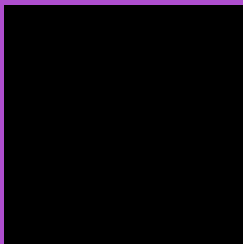
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3205, 18.9037, 60.3905

Background



This preview shows how black text looks on a background with the XYZ color 31.3205, 18.9037, 60.3905.

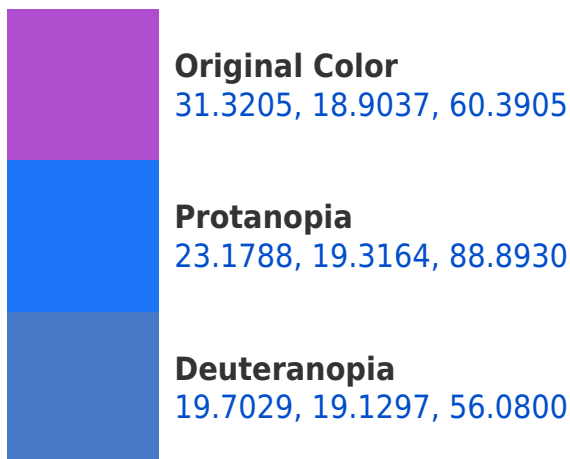


This preview shows how white text looks on a background with the XYZ color 31.3205, 18.9037,

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

22.7302, 18.8725, 18.0675

Trichromacy



Original Color

31.3205, 18.9037, 60.3905



Protanomaly

22.4834, 16.9777, 77.6933



Deuteranomaly

21.9009, 17.5714, 57.4957



Tritanomaly

25.0846, 18.3980, 29.8328

Monochromacy



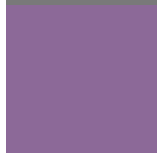
Original Color

31.3205, 18.9037, 60.3905



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

21.5343, 17.9456, 32.0346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3205, 18.9037, 60.3905 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(174, 78, 206)` looks like.

```
.text, #text, p{  
    color:rgb(174, 78, 206)  
}
```

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(174, 78, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 78, 206) }
```

Border

The CSS property to change the border of an element to XYZ 31.3205, 18.9037, 60.3905 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(174, 78, 206) }
```


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

```
.border{ border-color:rgb(174, 78, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 78, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 78, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 78, 206);  
box-shadow:4px 4px 4px 4px rgb(174, 78,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3205, 18.9037, 60.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 78, 206) }
```

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

```
.background{ background-color: rgb(174, 78,  
206) }
```

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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