

Converting Colors

XYZ(31.1230, 19.0010, 37.3587)

Have a look what the booklet for
XYZ(31.1230, 19.0010, 37.3587)
contains.

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Color

**XYZ(31.2092, 19.0499,
37.1541)**

Conversions

Conversions Part 1

Format	Color
Hex	C14BA4
RGB	193, 75, 164
RGB Percent	76%, 29%, 64%
CMY	0.2431, 0.7059, 0.3569
CMYK	0.00, 0.61, 0.15, 0.24
HSL	315°, 49%, 53%
HSV	315°, 61%, 76%
XYZ	31.2092, 19.0499, 37.1541
YIQ	120.4280, 41.7590, 52.6950

Conversions

Conversions Part 2

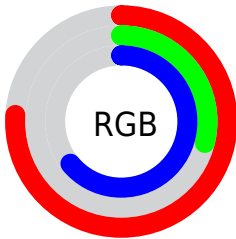
Format	Color
R_{YB}	193, 75, 164
Decimal	12667812
CIE _{Lab}	50.75, 57.25, -24.68
CIE _{LCh}	51, 62.343, 336.679
Yxy	19.0499, 0.3570, 0.2179
Android (android.graphics.Color)	4290857892 (0xFFC14BA4)
YUV	120.4280, 21.4810, 63.6456
Hunter-Lab	43.6462, 51.2556, -19.9187

Details

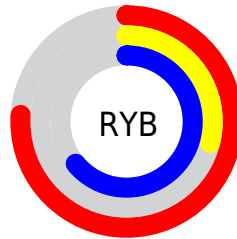
The XYZ color **31.2092, 19.0499, 37.1541** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **24.4712, 40.6359, 19.6520**, and the grayscale version is **17.9143, 18.8473, 20.5247**.

A 20% lighter version of the original color is **60.9137, 41.7752, 71.8707**, and **13.1431, 6.5343, 15.8978** is the 20% darker color. If you saturate the color by 10%, you get **29.6728, 16.6496, 34.5678**, and if you desaturate by 10%, it is **33.1598, 22.2524, 39.9577**.

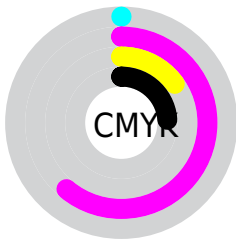
Distribution



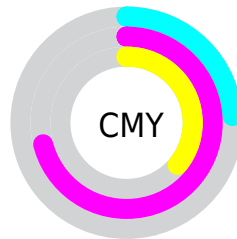
- Red (76%)
- Green (29%)
- Blue (64%)



- Red (76%)
- Yellow (29%)
- Blue (64%)



- Cyan (0%)
- Magenta (61%)
- Yellow (15%)
- Black (24%)



- Cyan (24%)
- Magenta (71%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2092, 19.0499, 37.1541 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 31.2092, 19.0499, 37.1541 by changing the saturation by 10% instead.

31.2092, 19.0499,
37.1541

31.2092, 19.0499,
37.1541

299.3106,
246.7241, 349.1660

20.9108, 11.7063,
25.0301

60.9429, 41.8184,
71.9987

13.1709, 6.5440,
15.8803

81.1089, 58.0121,
95.5564

7.6242, 3.1786,
9.2860

105.2948, 77.9247,
123.7624

3.9052, 1.2257,
4.8289

133.8660,
101.9405, 157.0352

1.6486, 0.0825,
2.0902

167.1878,
130.4440, 195.7935

0.4238, 0.0000,
0.6099

205.6257,

0.0000, 0.0000,

163.8195, 240.4557

0.0000

249.5448,
202.4514, 291.4403

■ 31.2092, 19.0499,
37.1541

■ 31.2092, 19.0499,
37.1541

■ 29.6728, 16.6496,
34.5678

■ 33.1598, 22.2524,
39.9577

■ 28.5113, 14.9742,
32.1842

■ 35.5555, 26.3195,
42.9891

■ 27.6811, 13.9363,
29.9883

■ 38.4262, 31.3105,
46.2594

■ 27.1471, 13.3994,
28.1730

■ 41.7987, 37.2788,
49.7782

■ 45.6978, 44.2736,
53.5547

■ 50.1466, 52.3409,
57.5973

■ 55.1668, 61.5238,
61.9140

■ 60.7788, 71.8630,
66.5125

■ 67.0022, 83.3974,
71.3999

Harmonies

Analogous

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



26.0869, 19.0499, 61.2253



31.2092, 19.0499, 37.1541



32.4940, 19.0499, 17.0630

Triad

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



31.2092, 19.0499, 37.1541



16.7715, 19.0499, 2.0445



10.2118, 19.0499, 48.0980

Complementary

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



31.2092, 19.0499, 37.1541



24.4712, 40.6359, 19.6520

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.



8.7511, 19.0499, 24.9154



31.2092, 19.0499, 37.1541



11.9461, 19.0499, 3.7515

Square

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



31.2092, 19.0499, 37.1541



23.1773, 19.0499, 2.6321



9.3055, 19.0499, 10.0543



13.8349, 19.0499, 69.6532

Rectangle

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



31.2092, 19.0499, 37.1541



30.7919, 19.0499, 8.9893



9.3055, 19.0499, 10.0543



9.4938, 19.0499, 39.8584

Sweetspot

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



31.2098, 19.0508, 37.1545



76.7573, 70.1518, 91.0361



17.6828, 11.7395, 51.7864



16.0491, 14.3037, 19.1150



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.2098, 19.0508, 37.1545



52.4511, 28.7872, 60.5903



27.1350, 17.4209, 15.6969



10.3881, 10.2038, 12.1341



18.0889, 8.9253, 18.9121



0.8075, 0.3960, 0.9537

Inverse Universe

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



31.2098, 19.0508, 37.1545



52.4511, 28.7872, 60.5903



28.4525, 42.2284, 40.6175



10.3881, 10.2038, 12.1341



18.0889, 8.9253, 18.9121



0.8075, 0.3960, 0.9537

Previews

White Background



This preview shows how the XYZ color 31.2092, 19.0499, 37.1541 looks on a white background.

Color Contrast Check

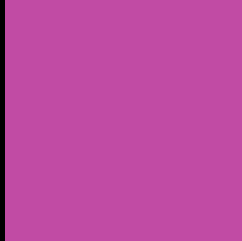
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2092, 19.0499, 37.1541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

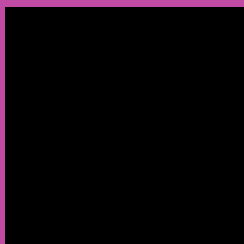
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2092, 19.0499, 37.1541

Background



This preview shows how black text looks on a background with the XYZ color 31.2092, 19.0499, 37.1541.



This preview shows how white text looks on a background with the XYZ color 31.2092, 19.0499,

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

31.2092, 19.0499, 37.1541

Protanopia

21.0255, 19.4410, 56.6772

Deuteranopia

19.6221, 19.2054, 34.5711



Tritanopia

26.2815, 18.9752, 13.8327

Trichromacy



Original Color

31.2092, 19.0499, 37.1541

Protanomaly

22.4656, 17.7577, 48.6979

Deuteranomaly

22.5231, 18.0782, 35.5601

Tritanomaly

27.8269, 18.8795, 20.5898

Monochromacy



Original Color

31.2092, 19.0499, 37.1541

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

21.4269, 17.8812, 25.6147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2092, 19.0499, 37.1541 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(193, 75, 164)` looks like.

```
.text, #text, p{  
  color:rgb(193, 75, 164)  
}
```

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(193, 75, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 75, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.2092, 19.0499, 37.1541 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(193, 75, 164) }
```


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

```
.border{ border-color:rgb(193, 75, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 75, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 75, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 75, 164);  
box-shadow:4px 4px 4px 4px rgb(193, 75,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2092, 19.0499, 37.1541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 75, 164) }
```

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

```
.background{ background-color: rgb(193, 75,  
164) }
```

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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