

Converting Colors

XYZ(31.9171, 21.7829, 19.7235)

Have a look what the booklet for
XYZ(31.9171, 21.7829, 19.7235)
contains.

XYZ(31.9990, 21.7997, 19.6608)	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(31.9990, 21.7997,
19.6608)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5C76
RGB	204, 92, 118
RGB Percent	80%, 36%, 46%
CMY	0.2000, 0.6392, 0.5373
CMYK	0.00, 0.55, 0.42, 0.20
HSL	346°, 52%, 58%
HSV	346°, 55%, 80%
XYZ	31.9990, 21.7997, 19.6608
YIQ	128.4520, 58.4060, 31.8300

Conversions

Conversions Part 2

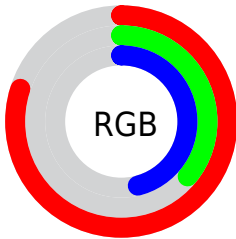
Format	Color
R_{YB}	204, 92, 118
Decimal	13393014
CIE _{Lab}	53.81, 46.91, 7.33
CIE _{LCh}	54, 47.479, 8.876
Yxy	21.7997, 0.4356, 0.2968
Android (android.graphics.Color)	4291583094 (0xFFCC5C76)
YUV	128.4520, -5.1528, 66.2556
Hunter-Lab	46.6901, 40.6269, 7.7166

Details

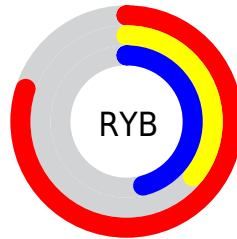
The XYZ color **31.9990, 21.7997, 19.6608** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted rose. A complement of this color would be **34.0436, 48.6759, 49.7237**, and the grayscale version is **20.6788, 21.7557, 23.6920**.

A 20% lighter version of the original color is **58.7746, 44.7200, 43.5643**, and **13.6527, 7.9394, 6.6072** is the 20% darker color. If you saturate the color by 10%, you get **29.6088, 18.3874, 14.6464**, and if you desaturate by 10%, it is **35.0207, 26.2276, 25.6489**.

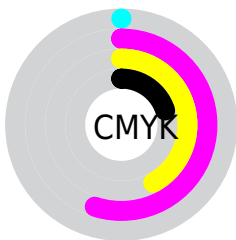
Distribution



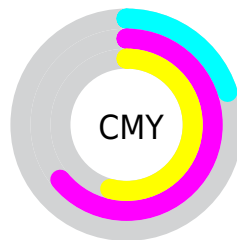
- Red (80%)
- Green (36%)
- Blue (46%)



- Red (80%)
- Yellow (36%)
- Blue (46%)



- Cyan (0%)
- Magenta (55%)
- Yellow (42%)
- Black (20%)





- Cyan (20%)
- Magenta (64%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9990, 21.7997, 19.6608 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 31.9990, 21.7997, 19.6608 by changing the saturation by 10% instead.


 31.9990, 21.7997,
19.6608


 31.9990, 21.7997,
19.6608


302.8601,
261.4985, 262.6161


 21.5163, 13.7098,
11.9671


 62.1747, 46.4147,
43.6992


 13.6165, 7.9191,
6.5990


 82.5984, 63.7086,
60.8810

 7.9343, 4.0432,
3.1380


 107.0665, 84.8393,
82.0626

 4.1044, 1.6978,
1.1655

 135.9444,
110.1912, 107.6625

 1.7614, 0.4222,
0.0000

169.5973,
140.1487, 138.0993

 0.4942, 0.0000,
0.0000

208.3906,

 0.0000, 0.0000,

175.0961, 173.7914

0.0000

252.6898,
215.4179, 215.1575

■ 31.9990, 21.7997,
19.6608

■ 31.9990, 21.7997,
19.6608

■ 29.6088, 18.3874,
14.6464

■ 35.0207, 26.2276,
25.6489

■ 27.8015, 15.9059,
10.5513

■ 38.7142, 31.7401,
32.6585

■ 26.5242, 14.2623,
7.3171

■ 43.1181, 38.4040,
40.7355

■ 25.7125, 13.3424,
4.8775

■ 48.2677, 46.2800,
49.9229

■ 25.4219, 13.0454,
3.9045

■ 54.1960, 55.4243,
60.2609

■ 60.9340, 65.8896,
71.7880

■ 68.5107, 77.7257,
84.5406

■ 76.8880, 90.8478,
98.5317

■ 78.7118, 91.5773,
108.1354

Harmonies

Analogous

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



31.2808, 21.7997, 35.3659



31.9990, 21.7997, 19.6608



29.3314, 21.7997, 10.1115

Triad

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



31.9990, 21.7997, 19.6608



15.1539, 21.7997, 7.8970



17.3826, 21.7997, 60.7589

Complementary

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



31.9990, 21.7997, 19.6608



34.0436, 48.6759, 49.7237

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.



13.9842, 21.7997, 46.0895



31.9990, 21.7997, 19.6608



12.8519, 21.7997, 14.9844

Square

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



31.9990, 21.7997, 19.6608



19.2433, 21.7997, 5.3951



12.4620, 21.7997, 28.3390



22.2703, 21.7997, 63.7079

Rectangle

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



31.9990, 21.7997, 19.6608



26.2140, 21.7997, 6.8968



12.4620, 21.7997, 28.3390



16.0527, 21.7997, 56.8135

Sweetspot

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



31.9996, 21.8008, 19.6612



78.7470, 74.8184, 80.5774



33.0566, 21.4645, 59.5274



16.4595, 15.4077, 16.5456



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.



31.9996, 21.8008, 19.6612



48.3746, 29.5282, 22.8084



33.7776, 27.4977, 13.6541



11.3172, 11.2556, 12.2052



16.0310, 8.2230, 2.6161



0.8572, 0.4363, 0.2940

Inverse Universe

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



31.9996, 21.8008, 19.6612



48.3746, 29.5282, 22.8084



30.4755, 36.9596, 62.6543



11.3172, 11.2556, 12.2052



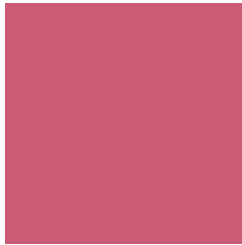
16.0310, 8.2230, 2.6161



0.8572, 0.4363, 0.2940

Previews

White Background



This preview shows how the XYZ color 31.9990, 21.7997, 19.6608 looks on a white background.

Color Contrast Check

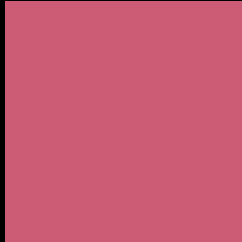
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9990, 21.7997, 19.6608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

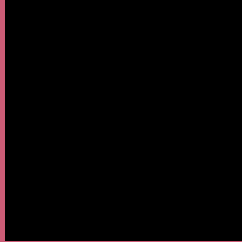
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9990, 21.7997, 19.6608

Background



This preview shows how black text looks on a background with the XYZ color 31.9990, 21.7997, 19.6608.



This preview shows how white text looks on a background with the XYZ color 31.9990, 21.7997,

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

31.9990, 21.7997, 19.6608

Protanopia

21.3599, 21.9404, 27.1539

Deuteranopia

22.2209, 21.8106, 18.6615



Tritanopia

31.1191, 21.8402, 15.1458

Trichromacy



Original Color

31.9990, 21.7997, 19.6608

Protanomaly

23.9378, 20.9681, 24.2583

Deuteranomaly

25.0371, 21.1510, 18.9826

Tritanomaly

31.3381, 21.7846, 16.7405

Monochromacy



Original Color

31.9990, 21.7997, 19.6608

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

23.4791, 20.7846, 21.8431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9990, 21.7997, 19.6608 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(204, 92, 118)` looks like.

```
.text, #text, p{  
    color:rgb(204, 92, 118)  
}
```

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(204, 92, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 92, 118) }
```

Border

The CSS property to change the border of an element to XYZ 31.9990, 21.7997, 19.6608 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(204, 92, 118) }
```


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

```
.border{ border-color:rgb(204, 92, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 92, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 92, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 92, 118);  
box-shadow:4px 4px 4px 4px rgb(204, 92,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9990, 21.7997, 19.6608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 92, 118) }
```

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

```
.background{ background-color: rgb(204, 92,  
118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor