

Converting Colors

XYZ(31.3815, 21.5323, 22.9400)

Have a look what the booklet for
XYZ(31.3815, 21.5323, 22.9400)
contains.

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Color

**XYZ(31.3638, 21.5293,
22.9246)**

Conversions

Conversions Part 1

Format	Color
Hex	C75D80
RGB	199, 93, 128
RGB Percent	78%, 36%, 50%
CMY	0.2196, 0.6353, 0.4980
CMYK	0.00, 0.53, 0.36, 0.22
HSL	340°, 49%, 57%
HSV	340°, 53%, 78%
XYZ	31.3638, 21.5293, 22.9246
YIQ	128.6840, 51.9410, 33.3570

Conversions

Conversions Part 2

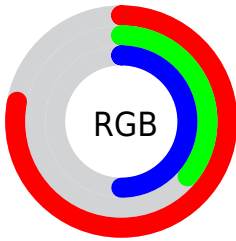
Format	Color
RYB	199, 93, 128
Decimal	13065600
CIELab	53.52, 45.84, 0.89
CIElCh	54, 45.851, 1.110
Yxy	21.5293, 0.4137, 0.2840
Android (android.graphics.Color)	4291255680 (0xFFC75D80)
YUV	128.6840, -0.3372, 61.6671
Hunter-Lab	46.3997, 39.4574, 3.1865

Details

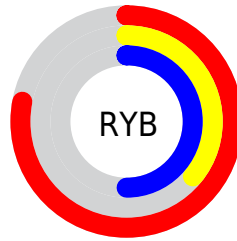
The XYZ color **31.3638, 21.5293, 22.9246** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **31.6396, 45.8548, 42.3078**, and the grayscale version is **20.7449, 21.8252, 23.7677**.

A 20% lighter version of the original color is **60.0142, 45.4636, 49.3283**, and **13.3254, 7.8329, 8.2067** is the 20% darker color. If you saturate the color by 10%, you get **29.0183, 18.1514, 18.0946**, and if you desaturate by 10%, it is **34.2802, 25.8643, 28.5140**.

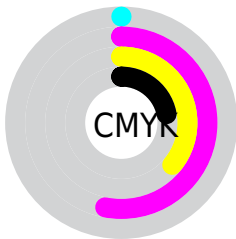
Distribution



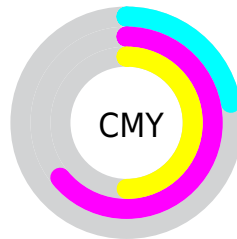
- Red (78%)
- Green (36%)
- Blue (50%)



- Red (78%)
- Yellow (36%)
- Blue (50%)



- Cyan (0%)
- Magenta (53%)
- Yellow (36%)
- Black (22%)





- Cyan (22%)
- Magenta (64%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3638, 21.5293, 22.9246 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 31.3638, 21.5293, 22.9246 by changing the saturation by 10% instead.


 31.3638, 21.5293,
22.9246


 31.3638, 21.5293,
22.9246

300.0079,
260.0782, 280.4468


 21.0292, 13.5114,
14.3331


 61.1843, 45.9668,
49.1911


 13.2579, 7.7817,
8.2113


 81.4010, 63.1552,
67.7032

 7.6846, 3.9556,
4.1407

 105.6424, 84.1693,
90.3592

 3.9439, 1.6487,
1.7029

 134.2739,
109.3934, 117.5776

 1.6705, 0.3901,
0.3627

167.6608,
139.2120, 149.7771

 0.4377, 0.0000,
0.0000

206.1686,

 0.0000, 0.0000,

174.0094, 187.3761

0.0000

250.1625,
214.1700, 230.7931

■ 31.3638, 21.5293,
22.9246

■ 31.3638, 21.5293,
22.9246

■ 29.0183, 18.1514,
18.0946

■ 34.2802, 25.8643,
28.5140

■ 27.2014, 15.6534,
13.9874

■ 37.8021, 31.2193,
34.8946

■ 25.8675, 13.9517,
10.5645

■ 41.9633, 37.6552,
42.0975

■ 24.9615, 12.9441,
7.7824

■ 46.7947, 45.2277,
50.1520

■ 24.5278, 12.5319,
6.2343

■ 52.3249, 53.9883,
59.0855

■ 58.5810, 63.9854,
68.9244

■ 65.5885, 75.2648,
79.6939

■ 73.3717, 87.8697,
91.4181

■ 76.2517, 90.4375,
102.2195

Harmonies

Analogous

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



29.8376, 21.5293, 38.9878



31.3638, 21.5293, 22.9246



29.6043, 21.5293, 12.1089

Triad

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



31.3638, 21.5293, 22.9246



15.9835, 21.5293, 7.1297



16.2522, 21.5293, 55.7625

Complementary

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



31.3638, 21.5293, 22.9246



31.6396, 45.8548, 42.3078

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.



13.4285, 21.5293, 40.2683



31.3638, 21.5293, 22.9246



13.2916, 21.5293, 12.6992

Square

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



31.3638, 21.5293, 22.9246



20.2816, 21.5293, 5.5212



12.4353, 21.5293, 23.9666



20.6454, 21.5293, 61.9338

Rectangle

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



31.3638, 21.5293, 22.9246



26.9446, 21.5293, 8.1191



12.4353, 21.5293, 23.9666



15.1142, 21.5293, 51.2319

Sweetspot

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



31.3644, 21.5304, 22.9250



79.2951, 75.0376, 83.4635



29.4652, 19.8106, 56.3037



16.5890, 15.4595, 17.2275



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.



31.3644, 21.5304, 22.9250



50.2134, 30.9451, 30.3909



31.1779, 24.2299, 13.3909



10.7759, 10.6937, 11.8030



15.8083, 8.0729, 4.2005



0.7822, 0.3957, 0.3762

Inverse Universe

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



31.3644, 21.5304, 22.9250



50.2134, 30.9451, 30.3909



31.4156, 39.6349, 60.0274



10.7759, 10.6937, 11.8030



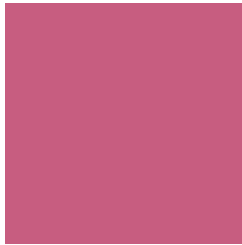
15.8083, 8.0729, 4.2005



0.7822, 0.3957, 0.3762

Previews

White Background



This preview shows how the XYZ color 31.3638, 21.5293, 22.9246 looks on a white background.

Color Contrast Check

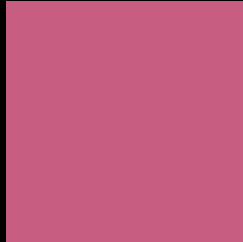
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3638, 21.5293, 22.9246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

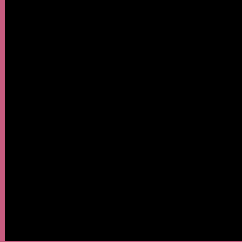
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3638, 21.5293, 22.9246

Background



This preview shows how black text looks on a background with the XYZ color 31.3638, 21.5293, 22.9246.



This preview shows how white text looks on a background with the XYZ color 31.3638, 21.5293,

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

31.3638, 21.5293, 22.9246

Protanopia

21.4716, 21.7086, 31.4923

Deuteranopia

22.1105, 21.6850, 21.7592



Tritanopia

29.7993, 21.4192, 15.6604

Trichromacy



Original Color

31.3638, 21.5293, 22.9246

Protanomaly

23.8873, 20.8600, 27.9667

Deuteranomaly

24.7111, 21.0775, 22.1680

Tritanomaly

30.4522, 21.5638, 18.1800

Monochromacy



Original Color

31.3638, 21.5293, 22.9246

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.5343, 20.9458, 23.5714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3638, 21.5293, 22.9246 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(199, 93, 128)` looks like.

```
.text, #text, p{  
    color:rgb(199, 93, 128)  
}
```

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(199, 93, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 93, 128) }
```

Border

The CSS property to change the border of an element to XYZ 31.3638, 21.5293, 22.9246 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(199, 93, 128) }
```


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

```
.border{ border-color:rgb(199, 93, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 93, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 93, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 93, 128);  
box-shadow:4px 4px 4px 4px rgb(199, 93,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3638, 21.5293, 22.9246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 93, 128) }
```

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

```
.background{ background-color: rgb(199, 93,  
128) }
```

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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