

Converting Colors

XYZ(31.9992, 24.3443, 21.9491)

Have a look what the booklet for
XYZ(31.9992, 24.3443, 21.9491)
contains.

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Color

**XYZ(31.9790, 24.3429,
22.0819)**

Conversions

Conversions Part 1

Format	Color
Hex	C46E7C
RGB	196, 110, 124
RGB Percent	77%, 43%, 49%
CMY	0.2314, 0.5686, 0.5137
CMYK	0.00, 0.44, 0.37, 0.23
HSL	350°, 42%, 60%
HSV	350°, 44%, 77%
XYZ	31.9790, 24.3429, 22.0819
YIQ	137.3100, 46.7620, 22.5860

Conversions

Conversions Part 2

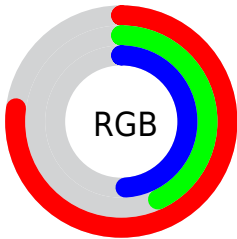
Format	Color
R_{YB}	196, 110, 124
Decimal	12873340
CIE _{Lab}	56.43, 35.56, 7.37
CIE _{LCh}	56, 36.320, 11.714
Yxy	24.3429, 0.4079, 0.3105
Android (android.graphics.Color)	4291063420 (0xFFC46E7C)
YUV	137.3100, -6.5618, 51.4711
Hunter-Lab	49.3385, 29.3532, 8.0012

Details

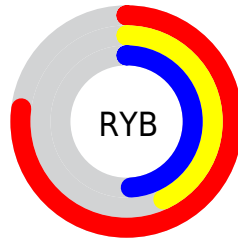
The XYZ color **31.9790, 24.3429, 22.0819** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **34.6151, 46.1729, 51.3466**, and the grayscale version is **23.9075, 25.1526, 27.3912**.

A 20% lighter version of the original color is **62.1737, 50.5890, 47.5620**, and **13.5333, 9.2287, 7.7246** is the 20% darker color. If you saturate the color by 10%, you get **29.1405, 20.1907, 16.4347**, and if you desaturate by 10%, it is **35.4592, 29.5019, 28.7956**.

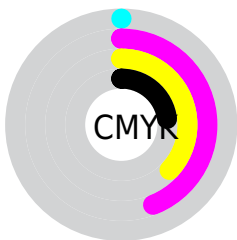
Distribution



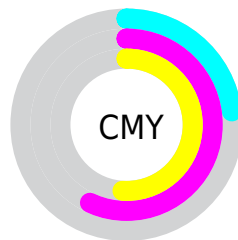
- Red (77%)
- Green (43%)
- Blue (49%)



- Red (77%)
- Yellow (43%)
- Blue (49%)



- Cyan (0%)
- Magenta (44%)
- Yellow (37%)
- Black (23%)





- Cyan (23%)
- Magenta (57%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.9790, 24.3429, 22.0819 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 31.9790, 24.3429, 22.0819 by changing the saturation by 10% instead.


 31.9790, 24.3429,
22.0819


 31.9790, 24.3429,
22.0819


302.7706,
274.5495, 275.9411


 21.5009, 15.5882,
13.7182


 62.1436, 50.5892,
47.7852


 13.6052, 9.2332,
7.7884


 82.5608, 68.8495,
65.9620

 7.9264, 4.8936,
3.8740


 107.0218, 91.0472,
88.2468

 4.0993, 2.1850,
1.5565

 135.8919,
117.5667, 115.0582

 1.7585, 0.7118,
0.2595

169.5365,
148.7922, 146.8149

 0.4925, 0.0000,
0.0000

208.3209,

 0.0000, 0.0000,

185.1083, 183.9352

0.0000

252.6104,
226.8992, 226.8378

■ 31.9790, 24.3429,
22.0819

■ 31.9790, 24.3429,
22.0819

■ 29.1405, 20.1907,
16.4347

■ 35.4592, 29.5019,
28.7956

■ 26.9020, 16.9760,
11.7971

■ 39.6155, 35.7240,
36.6257

■ 25.2199, 14.6263,
8.1093


■ 44.4821, 43.0656,
45.6207


■ 24.0438, 13.0568,
5.3041


■ 50.0901, 51.5779,
55.8256


■ 23.3135, 12.1657,
3.3052

■ 56.4691, 61.3091,
67.2832

 23.0243, 11.8395,
2.4309

 63.6469, 72.3046,
80.0341

 71.6498, 84.6077,
94.1171

 76.5750, 90.4758,
108.0354

Harmonies

Analogous

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



31.6826, 24.3429, 34.4439



31.9790, 24.3429, 22.0819



29.7037, 24.3429, 13.9028

Triad

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



31.9790, 24.3429, 22.0819



18.1692, 24.3429, 12.7187



20.6949, 24.3429, 55.0859

Complementary

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



31.9790, 24.3429, 22.0819



34.6151, 46.1729, 51.3466

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.



17.6176, 24.3429, 45.0640



31.9790, 24.3429, 22.0819



16.2857, 24.3429, 19.8910

Square

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



31.9790, 24.3429, 22.0819



21.5362, 24.3429, 9.6972



16.0968, 24.3429, 31.4831



24.8156, 24.3429, 56.2111

Rectangle

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



31.9790, 24.3429, 22.0819



27.1786, 24.3429, 10.9108



16.0968, 24.3429, 31.4831



19.5177, 24.3429, 52.5311

Sweetspot

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



31.9797, 24.3441, 22.0824



81.2204, 78.9825, 83.8148



34.7534, 25.0433, 55.2267



16.9326, 16.2217, 17.1107



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.



31.9797, 24.3441, 22.0824



52.8093, 36.6052, 29.8122



34.7647, 31.2316, 18.9495



10.1386, 10.1040, 10.8203



14.8156, 7.6160, 1.6749



0.6616, 0.3376, 0.1852

Inverse Universe

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



31.9797, 24.3441, 22.0824



52.8093, 36.6052, 29.8122



30.2752, 35.0613, 57.3965



10.1386, 10.1040, 10.8203



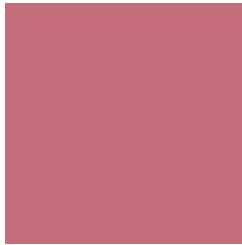
14.8156, 7.6160, 1.6749



0.6616, 0.3376, 0.1852

Previews

White Background



This preview shows how the XYZ color 31.9790, 24.3429, 22.0819 looks on a white background.

Color Contrast Check

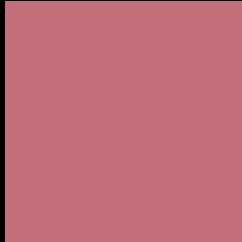
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.9790, 24.3429, 22.0819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

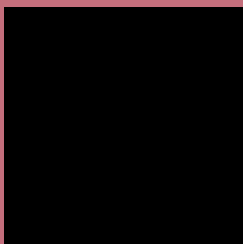
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.9790, 24.3429, 22.0819

Background



This preview shows how black text looks on a background with the XYZ color 31.9790, 24.3429, 22.0819.



This preview shows how white text looks on a background with the XYZ color 31.9790, 24.3429,

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

31.9790, 24.3429, 22.0819

Protanopia

23.7327, 24.5662, 27.5357

Deuteranopia

24.8329, 24.4587, 21.1815



Tritanopia

31.7792, 24.4366, 20.4945

Trichromacy



Original Color

31.9790, 24.3429, 22.0819

Protanomaly

25.9926, 23.9861, 25.4501

Deuteranomaly

26.8963, 23.9814, 21.3004

Tritanomaly

31.9006, 24.4851, 21.1339

Monochromacy



Original Color

31.9790, 24.3429, 22.0819

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

25.8548, 24.1138, 25.1215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9790, 24.3429, 22.0819 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(196, 110, 124)` looks like.

```
.text, #text, p{  
    color:rgb(196, 110, 124)  
}
```

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(196, 110, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 110, 124) }
```

Border

The CSS property to change the border of an element to XYZ 31.9790, 24.3429, 22.0819 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(196, 110, 124) }
```


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

```
.border{ border-color:rgb(196, 110, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 110, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 110, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 110, 124);  
box-shadow:4px 4px 4px 4px rgb(196, 110,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9790, 24.3429, 22.0819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 110, 124) }
```

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

```
.background{ background-color: rgb(196,  
110, 124) }
```

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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