

Converting Colors

XYZ(31.6900, 24.5465, 20.8370)

Have a look what the booklet for
XYZ(31.6900, 24.5465, 20.8370)
contains.

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Color

**XYZ(31.6900, 24.5465,
20.8370)**

Conversions

Conversions Part 1

Format	Color
Hex	C37078
RGB	195, 112, 120
RGB Percent	76%, 44%, 47%
CMY	0.2353, 0.5608, 0.5294
CMYK	0.00, 0.43, 0.38, 0.24
HSL	354°, 41%, 60%
HSV	354°, 43%, 76%
XYZ	31.6900, 24.5465, 20.8370
YIQ	137.7290, 46.9000, 20.0840

Conversions

Conversions Part 2

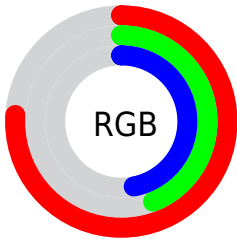
Format	Color
R_{YB}	195, 112, 120
Decimal	12808312
CIE _{Lab}	56.63, 33.64, 9.97
CIE _{LCh}	57, 35.091, 16.509
Yxy	24.5465, 0.4112, 0.3185
Android (android.graphics.Color)	4290998392 (0xFFC37078)
YUV	137.7290, -8.7404, 50.2267
Hunter-Lab	49.5444, 27.4709, 9.7454

Details

The XYZ color **31.6900, 24.5465, 20.8370** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **35.1680, 46.0633, 54.0538**, and the grayscale version is **24.0746, 25.3283, 27.5826**.

A 20% lighter version of the original color is **61.7746, 50.9597, 45.6100**, and **13.5398, 9.4021, 7.2321** is the 20% darker color. If you saturate the color by 10%, you get **28.7939, 20.3111, 15.0721**, and if you desaturate by 10%, it is **35.2502, 29.7949, 27.7947**.

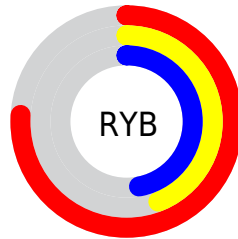
Distribution



Red (76%)

Green (44%)

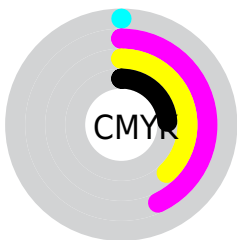
Blue (47%)



Red (76%)

Yellow (44%)

Blue (47%)

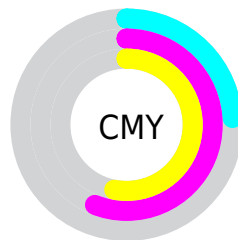


Cyan (0%)

Magenta (43%)

Yellow (38%)

Black (24%)



Cyan (24%)


Magenta (56%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6900, 24.5465, 20.8370 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 31.6900, 24.5465, 20.8370 by changing the saturation by 10% instead.

 31.6900, 24.5465,
20.8370


 31.6900, 24.5465,
20.8370


301.4751,
275.5719, 269.1635

 21.2792, 15.7395,
12.8148


 61.6933, 50.9206,
45.6934


 13.4419, 9.3400,
7.1719


 82.0165, 69.2564,
63.3646

 7.8126, 4.9636,
3.4898

 106.3745, 91.5373,
85.0893

 4.0261, 2.2259,
1.3498

 135.1328,
118.1477, 111.2860

 1.7169, 0.7341,
0.1021

168.6566,
149.4720, 142.3733

 0.4668, 0.0000,
0.0000

207.3114,

 0.0000, 0.0000,

185.8945, 178.7696

0.0000

251.4624,
227.7997, 220.8935

■ 31.6900, 24.5465,
20.8370

■ 31.6900, 24.5465,
20.8370

■ 28.7939, 20.3111,
15.0721

■ 35.2502, 29.7949,
27.7947

■ 26.5187, 17.0199,
10.4315

■ 39.5100, 36.1118,
36.0056

■ 24.8191, 14.6015,
6.8419


■ 44.5051, 43.5533,
45.5277


■ 23.6432, 12.9726,
4.2209


■ 50.2678, 52.1704,
56.4150


■ 22.9288, 12.0336,
2.4732

■ 56.8288, 62.0108,
68.7183

 22.6214, 11.6484,
1.6626

 64.2168, 73.1199,
82.4860

 72.4594, 85.5404,
97.7640

 76.3157, 90.3421,
108.0232

Harmonies

Analogous

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



31.8214, 24.5465, 32.3188



31.6900, 24.5465, 20.8370



29.1575, 24.5465, 13.5156

Triad

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



31.6900, 24.5465, 20.8370



18.0893, 24.5465, 14.0538



21.5479, 24.5465, 55.0700

Complementary

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



31.6900, 24.5465, 20.8370



35.1680, 46.0633, 54.0538

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.



18.3370, 24.5465, 46.5661



31.6900, 24.5465, 20.8370



16.5031, 24.5465, 21.8205

Square

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



31.6900, 24.5465, 20.8370



21.1715, 24.5465, 10.4541



16.5882, 24.5465, 33.6338



25.6319, 24.5465, 54.5754

Rectangle

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



31.6900, 24.5465, 20.8370



26.5997, 24.5465, 10.9627



16.5882, 24.5465, 33.6338



20.3412, 24.5465, 53.0830

Sweetspot

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



31.6906, 24.5477, 20.8375



79.0960, 77.0893, 80.3768



36.0654, 26.0567, 54.7583



16.8590, 16.1923, 16.7233



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.



31.6906, 24.5477, 20.8375



51.9295, 36.9004, 27.7167



35.5871, 33.0850, 19.8412



10.1117, 10.0933, 10.6790



14.7172, 7.5766, 1.1567



0.6495, 0.3328, 0.1217

Inverse Universe

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



31.6906, 24.5477, 20.8375



51.9295, 36.9004, 27.7167



29.4186, 33.1562, 56.4790



10.1117, 10.0933, 10.6790



14.7172, 7.5766, 1.1567



0.6495, 0.3328, 0.1217

Previews

White Background



This preview shows how the XYZ color 31.6900, 24.5465, 20.8370 looks on a white background.

Color Contrast Check

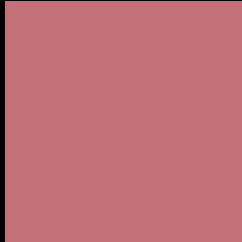
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6900, 24.5465, 20.8370 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 31.6900, 24.5465, 20.8370

Background



This preview shows how black text looks on a background with the XYZ color 31.6900, 24.5465, 20.8370.



This preview shows how white text looks on a background with the XYZ color 31.6900, 24.5465,

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

31.6900, 24.5465, 20.8370

Protanopia

23.8530, 24.8772, 25.7349

Deuteranopia

25.0375, 24.5849, 20.2554



Tritanopia

31.6900, 24.5465, 20.8370

Trichromacy



Original Color

31.6900, 24.5465, 20.8370

Protanomaly

25.9829, 24.2108, 23.7258

Deuteranomaly

27.0552, 24.2694, 20.3980

Tritanomaly

31.6900, 24.5465, 20.8370

Monochromacy



Original Color

31.6900, 24.5465, 20.8370

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.2451, 24.7101, 24.8590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6900, 24.5465, 20.8370 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(195, 112, 120)` looks like.

```
.text, #text, p{  
    color:rgb(195, 112, 120)  
}
```

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(195, 112, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 112, 120) }
```

Border

The CSS property to change the border of an element to XYZ 31.6900, 24.5465, 20.8370 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(195, 112, 120) }
```


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

```
.border{ border-color:rgb(195, 112, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 112, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 112, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 112, 120);  
box-shadow:4px 4px 4px 4px rgb(195, 112,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6900, 24.5465, 20.8370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 112, 120) }
```

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

```
.background{ background-color: rgb(195,  
112, 120) }
```

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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