

Converting Colors

XYZ(31.7617, 22.2488, 31.5020)

Have a look what the booklet for
XYZ(31.7617, 22.2488, 31.5020)
contains.

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Color

**XYZ(31.8650, 22.2748,
31.4742)**

Conversions

Conversions Part 1

Format	Color
Hex	C16296
RGB	193, 98, 150
RGB Percent	76%, 38%, 59%
CMY	0.2431, 0.6157, 0.4118
CMYK	0.00, 0.49, 0.22, 0.24
HSL	327°, 43%, 57%
HSV	327°, 49%, 76%
XYZ	31.8650, 22.2748, 31.4742
YIQ	132.3330, 39.9280, 36.3120

Conversions

Conversions Part 2

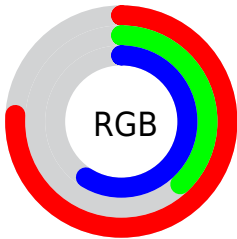
Format	Color
RYB	193, 98, 150
Decimal	12673686
CIELab	54.32, 44.25, -11.00
CIELCh	54, 45.601, 346.038
Yxy	22.2748, 0.3722, 0.2602
Android (android.graphics.Color)	4290863766 (0xFFC16296)
YUV	132.3330, 8.7098, 53.2050
Hunter-Lab	47.1962, 37.9228, -6.5020

Details

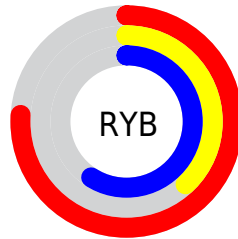
The XYZ color **31.8650, 22.2748, 31.4742** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **28.9157, 42.6603, 31.9115**, and the grayscale version is **22.0124, 23.1588, 25.2199**.

A 20% lighter version of the original color is **61.7494, 47.0021, 62.9445**, and **13.5457, 8.1732, 12.6680** is the 20% darker color. If you saturate the color by 10%, you get **29.5946, 18.8180, 27.3751**, and if you desaturate by 10%, it is **34.6245, 26.6254, 35.9956**.

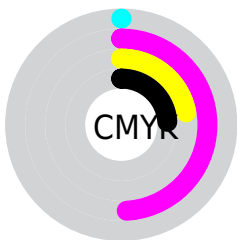
Distribution



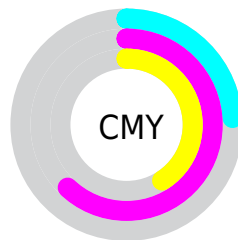
- Red (76%)
- Green (38%)
- Blue (59%)



- Red (76%)
- Yellow (38%)
- Blue (59%)



- Cyan (0%)
- Magenta (49%)
- Yellow (22%)
- Black (24%)



- Cyan (24%)
- Magenta (62%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8650, 22.2748, 31.4742 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 31.8650, 22.2748, 31.4742 by changing the saturation by 10% instead.

31.8650, 22.2748,
31.4742

31.8650, 22.2748,
31.4742

302.2601,
263.9780, 323.1356

21.4135, 14.0590,
20.6987

61.9660, 47.1998,
63.0742

13.5407, 8.1617,
12.7149

82.3462, 64.6777,
84.7358

7.8815, 4.1986,
7.1041

106.7666, 86.0117,
110.8631

4.0704, 1.7853,
3.4478

135.5927,
111.5863, 141.8748

1.7420, 0.4780,
1.3276

169.1897,
141.7859, 178.1894

0.4824, 0.0000,
0.0843

207.9230,

0.0000, 0.0000,

176.9947, 220.2253

0.0000

252.1580,
217.5973, 268.4012

■ 31.8650, 22.2748,
31.4742

■ 31.8650, 22.2748,
31.4742

■ 29.5946, 18.8180,
27.3751

■ 34.6245, 26.6254,
35.9956

■ 27.7784, 16.1877,
23.6803

■ 37.9009, 31.9244,
40.9534

■ 26.3797, 14.3122,
20.3721


■ 41.7222, 38.2256,
46.3622

■ 25.3547, 13.1058,
17.4299


■ 46.1136, 45.5779,
52.2357


■ 24.6269, 12.4174,
14.8219


■ 51.0988, 54.0272,
58.5868

 24.5752, 12.3706,
14.6298

 56.7000, 63.6163,
65.4276

 62.9384, 74.3860,
72.7700

 69.8340, 86.3748,
80.6253

 71.8431, 88.4938,
87.1500

Harmonies

Analogous

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



28.8216, 22.2748, 48.6437



31.8650, 22.2748, 31.4742



31.7475, 22.2748, 17.4512

Triad

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



31.8650, 22.2748, 31.4742



18.6397, 22.2748, 6.3136



15.2067, 22.2748, 49.7669

Complementary

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



31.8650, 22.2748, 31.4742



28.9157, 42.6603, 31.9115

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.



13.2515, 22.2748, 32.6271



31.8650, 22.2748, 31.4742



15.0112, 22.2748, 9.7842

Square

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



31.8650, 22.2748, 31.4742



23.5619, 22.2748, 6.2095



13.1861, 22.2748, 18.2313



18.9485, 22.2748, 61.6862

Rectangle

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



31.8650, 22.2748, 31.4742



29.8769, 22.2748, 11.4528



13.1861, 22.2748, 18.2313



14.3463, 22.2748, 44.1798

Sweetspot

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



31.8657, 22.2759, 31.4746



77.7342, 73.4796, 87.1261



24.9364, 18.2277, 52.6563



16.3280, 15.1819, 18.2200



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.



31.8657, 22.2759, 31.4746



52.7491, 33.3243, 48.5395



28.7965, 21.0482, 15.3126



10.2986, 10.1681, 11.6632



16.3861, 8.2442, 9.9453



0.7424, 0.3700, 0.6108

Inverse Universe

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



31.8657, 22.2759, 31.4746



52.7491, 33.3243, 48.5395



33.2118, 44.3787, 54.5342



10.2986, 10.1681, 11.6632



16.3861, 8.2442, 9.9453



0.7424, 0.3700, 0.6108

Previews

White Background



This preview shows how the XYZ color 31.8650, 22.2748, 31.4742 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 31.8650, 22.2748, 31.4742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

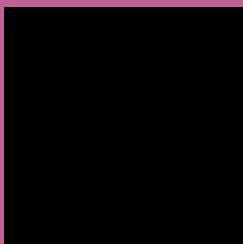
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.8650, 22.2748, 31.4742

Background



This preview shows how black text looks on a background with the XYZ color 31.8650, 22.2748, 31.4742.



This preview shows how white text looks on a background with the XYZ color 31.8650, 22.2748,

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

31.8650, 22.2748, 31.4742

Protanopia

22.8087, 22.5627, 41.6810

Deuteranopia

22.8535, 22.4573, 29.9182



Tritanopia

29.0185, 22.1142, 18.3618

Trichromacy



Original Color

31.8650, 22.2748, 31.4742

Protanomaly

24.9434, 21.7122, 37.5265

Deuteranomaly

25.4165, 21.7655, 30.4653

Tritanomaly

29.7525, 21.9563, 22.4085

Monochromacy



Original Color

31.8650, 22.2748, 31.4742

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.7031, 22.1670, 27.4028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8650, 22.2748, 31.4742 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, 98, 150)` looks like.

```
.text, #text, p{  
    color:rgb(193, 98, 150)  
}
```

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, 98, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 98, 150) }
```

Border

The CSS property to change the border of an element to XYZ 31.8650, 22.2748, 31.4742 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, 98, 150) }
```


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

```
.border{ border-color:rgb(193, 98, 150) }
```

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

Here you see how a box with a 4 pixel rgb(193, 98, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 98, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 98, 150);  
box-shadow:4px 4px 4px 4px rgb(193, 98,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8650, 22.2748, 31.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 98, 150) }
```

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

```
.background{ background-color: rgb(193, 98,  
150) }
```

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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