

Converting Colors

XYZ(31.4460, 22.9686, 22.8547)

Have a look what the booklet for
XYZ(31.4460, 22.9686, 22.8547)
contains.

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Color

**XYZ(31.4460, 22.9686,
22.8547)**

Conversions

Conversions Part 1

Format	Color
Hex	C4677F
RGB	196, 103, 127
RGB Percent	77%, 40%, 50%
CMY	0.2314, 0.5961, 0.5020
CMYK	0.00, 0.47, 0.35, 0.23
HSL	345°, 44%, 59%
HSV	345°, 47%, 77%
XYZ	31.4460, 22.9686, 22.8547
YIQ	133.5430, 47.7240, 27.1800

Conversions

Conversions Part 2

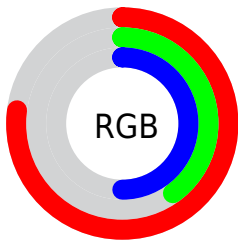
Format	Color
R_{YB}	196, 103, 127
Decimal	12871551
CIE _{Lab}	55.04, 39.61, 3.62
CIE _{LCh}	55, 39.775, 5.226
Yxy	22.9686, 0.4070, 0.2973
Android (android.graphics.Color)	4291061631 (0xFFC4677F)
YUV	133.5430, -3.2257, 54.7748
Hunter-Lab	47.9256, 33.2517, 5.2737

Details

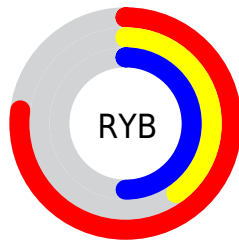
The XYZ color **31.4460, 22.9686, 22.8547** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **32.7810, 45.3426, 46.0565**, and the grayscale version is **22.4924, 23.6637, 25.7698**.

A 20% lighter version of the original color is **61.3667, 48.3322, 49.2747**, and **13.2506, 8.4950, 8.1490** is the 20% darker color. If you saturate the color by 10%, you get **28.8396, 19.1647, 17.6424**, and if you desaturate by 10%, it is **34.6474, 27.7434, 28.9407**.

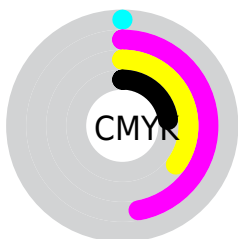
Distribution



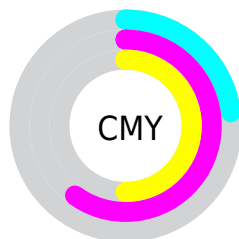
- Red (77%)
- Green (40%)
- Blue (50%)



- Red (77%)
- Yellow (40%)
- Blue (50%)



- Cyan (0%)
- Magenta (47%)
- Yellow (35%)
- Black (23%)





- Cyan (23%)
- Magenta (60%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4460, 22.9686, 22.8547 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 31.4460, 22.9686, 22.8547 by changing the saturation by 10% instead.


 31.4460, 22.9686,
22.8547


 31.4460, 22.9686,
22.8547


300.3781,
267.5637, 280.0755


 21.0922, 14.5703,
14.2820


 61.3127, 48.3418,
49.0748


 13.3043, 8.5184,
8.1761


 81.5562, 66.0854,
67.5592

 7.7168, 4.4284,
4.1184


 105.8271, 87.7130,
90.1847

 3.9646, 1.9160,
1.6905

 134.4905,
113.6090, 117.3696

 1.6821, 0.5580,
0.3542

167.9120,
144.1576, 149.5327

 0.4450, 0.0000,
0.0000

206.4569,

 0.0000, 0.0000,

179.7433, 187.0923

0.0000

250.4905,
220.7505, 230.4671

■ 31.4460, 22.9686,
22.8547

■ 31.4460, 22.9686,
22.8547

■ 28.8396, 19.1647,
17.6424

■ 34.6474, 27.7434,
28.9407

■ 26.7881, 16.2609,
13.2611

■ 38.4767, 33.5463,
35.9379

■ 25.2491, 14.1828,
9.6661


■ 42.9665, 40.4342,
43.8829


■ 24.1732, 12.8419,
6.8073


■ 48.1466, 48.4588,
52.8098


■ 23.4919, 12.1135,
4.6255

■ 54.0449, 57.6686,
62.7513

 23.3532, 11.9710,
4.1627

 60.6879, 68.1090,
73.7382

 68.1006, 79.8232,
85.8003

 74.7544, 89.7475,
98.4483

 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.



30.5021, 22.9686, 36.6708



31.4460, 22.9686, 22.8547



29.5439, 22.9686, 13.4236

Triad

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



31.4460, 22.9686, 22.8547



17.2824, 22.9686, 9.9191



18.4566, 22.9686, 54.2945

Complementary

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



31.4460, 22.9686, 22.8547



32.7810, 45.3426, 46.0565

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.



15.5929, 22.9686, 41.8589



31.4460, 22.9686, 22.8547



14.9819, 22.9686, 16.1256

Square

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



31.4460, 22.9686, 22.8547



21.0652, 22.9686, 7.7466



14.4077, 22.9686, 27.2944



22.6150, 22.9686, 57.9639

Rectangle

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



31.4460, 22.9686, 22.8547



27.0513, 22.9686, 9.8597



14.4077, 22.9686, 27.2944



17.3295, 22.9686, 50.8348

Sweetspot

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



31.4466, 22.9698, 22.8551



80.7246, 77.7096, 84.5165



31.6532, 22.3678, 54.8737



16.8554, 15.9795, 17.3558



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.



31.4466, 22.9698, 22.8551



52.0568, 34.4479, 31.5727



32.5097, 27.3077, 16.3909



10.1775, 10.1196, 11.0252



15.0357, 7.7040, 2.8340



0.6789, 0.3446, 0.2764

Inverse Universe

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



31.4466, 22.9698, 22.8551



52.0568, 34.4479, 31.5727



30.7524, 37.2581, 57.7954



10.1775, 10.1196, 11.0252



15.0357, 7.7040, 2.8340



0.6789, 0.3446, 0.2764

Previews

White Background



This preview shows how the XYZ color 31.4460, 22.9686, 22.8547 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 31.4460, 22.9686, 22.8547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

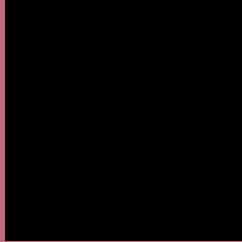
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4460, 22.9686, 22.8547

Background



This preview shows how black text looks on a background with the XYZ color 31.4460, 22.9686, 22.8547.



This preview shows how white text looks on a background with the XYZ color 31.4460, 22.9686,

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

31.4460, 22.9686, 22.8547

Protanopia

22.4343, 23.0411, 29.2516

Deuteranopia

23.5071, 23.1643, 21.9711



Tritanopia

30.5379, 22.8975, 18.4329

Trichromacy



Original Color

31.4460, 22.9686, 22.8547

Protanomaly

24.8703, 22.4494, 26.6893

Deuteranomaly

25.7520, 22.6482, 22.0830

Tritanomaly

30.7260, 22.8107, 19.9230

Monochromacy



Original Color

31.4460, 22.9686, 22.8547

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

25.0843, 22.9727, 24.5848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4460, 22.9686, 22.8547 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, 103, 127)` looks like.

```
.text, #text, p{  
    color:rgb(196, 103, 127)  
}
```

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, 103, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 103, 127) }
```

Border

The CSS property to change the border of an element to XYZ 31.4460, 22.9686, 22.8547 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, 103, 127) }
```


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

```
.border{ border-color:rgb(196, 103, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 103, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 103, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 103, 127);  
box-shadow:4px 4px 4px 4px rgb(196, 103,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4460, 22.9686, 22.8547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 103, 127) }
```

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

```
.background{ background-color: rgb(196,  
103, 127) }
```

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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