

Converting Colors

XYZ(29.8409, 21.9656, 22.4968)

Have a look what the booklet for
XYZ(29.8409, 21.9656, 22.4968)
contains.

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Color

**XYZ(29.7525, 21.9563,
22.4085)**

Conversions

Conversions Part 1

Format	Color
Hex	BE667E
RGB	190, 102, 126
RGB Percent	75%, 40%, 49%
CMY	0.2549, 0.6000, 0.5059
CMYK	0.00, 0.46, 0.34, 0.25
HSL	344°, 40%, 57%
HSV	344°, 46%, 75%
XYZ	29.7525, 21.9563, 22.4085
YIQ	131.0480, 44.7440, 26.1200

Conversions

Conversions Part 2

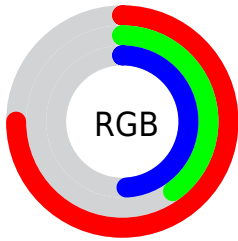
Format	Color
RYB	190, 102, 126
Decimal	12478078
CIELab	53.98, 37.85, 2.57
CIELCh	54, 37.941, 3.892
Yxy	21.9563, 0.4014, 0.2962
Android (android.graphics.Color)	4290668158 (0xFFBE667E)
YUV	131.0480, -2.4887, 51.7009
Hunter-Lab	46.8576, 31.3390, 4.4463

Details

The XYZ color **29.7525, 21.9563, 22.4085** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **30.7770, 42.4054, 42.6418**, and the grayscale version is **21.5886, 22.7129, 24.7344**.

A 20% lighter version of the original color is **58.5694, 46.6538, 48.5660**, and **12.3549, 7.9718, 7.9087** is the 20% darker color. If you saturate the color by 10%, you get **27.2637, 18.3084, 17.4793**, and if you desaturate by 10%, it is **32.7936, 26.5114, 28.1301**.

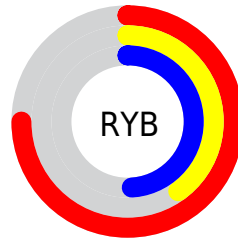
Distribution



Red (75%)

Green (40%)

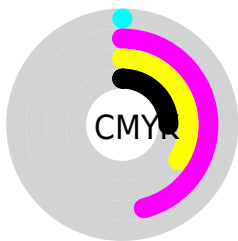
Blue (49%)



Red (75%)

Yellow (40%)

Blue (49%)

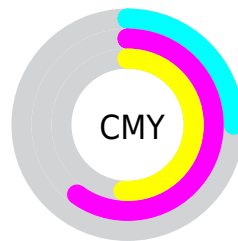


Cyan (0%)

Magenta (46%)

Yellow (34%)

Black (25%)



Cyan (25%)


Magenta (60%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7525, 21.9563, 22.4085 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 29.7525, 21.9563, 22.4085 by changing the saturation by 10% instead.


 29.7525, 21.9563,
22.4085


 29.7525, 21.9563,
22.4085


292.6797,
262.3180, 277.6950


 19.7979, 13.8248,
13.9562


 58.6599, 46.6738,
48.3311


 12.3557, 7.9989,
7.9518


 78.3434, 64.0285,
66.6384

 7.0603, 4.0942,
3.9768


 102.0006, 85.2264,
89.0678

 3.5465, 1.7264,
1.6126

 129.9969,
110.6520, 116.0378

 1.4489, 0.4407,
0.2998

162.6976,
140.6895, 147.9670

 0.2907, 0.0000,
0.0000

200.4680,

 0.0000, 0.0000,

175.7234, 185.2739

0.0000

243.6736,
216.1381, 228.3770

■ 29.7525, 21.9563,
22.4085

■ 29.7525, 21.9563,
22.4085

■ 27.2637, 18.3084,
17.4793

■ 32.7936, 26.5114,
28.1301

■ 25.2907, 15.5033,
13.3047

■ 36.4168, 32.0261,
34.6765

■ 23.7955, 13.4730,
9.8460


■ 40.6518, 38.5524,
42.0801


■ 22.7333, 12.1376,
7.0597


■ 45.5257, 46.1378,
50.3709


■ 22.0475, 11.3937,
4.8958


■ 51.0639, 54.8267,
59.5776

 21.8508, 11.1934,
4.2354

 57.2906, 64.6610,
69.7273

 64.2286, 75.6805,
80.8462

 71.8996, 87.9227,
92.9595

 74.3088, 89.3926,
104.0859

Harmonies

Analogous

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



28.7687, 21.9563, 35.2681



29.7525, 21.9563, 22.4085



28.1118, 21.9563, 13.4071

Triad

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



29.7525, 21.9563, 22.4085



16.7785, 21.9563, 9.6474



17.5917, 21.9563, 50.4145

Complementary

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



29.7525, 21.9563, 22.4085



30.7770, 42.4054, 42.6418

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.



14.9908, 21.9563, 38.8165



29.7525, 21.9563, 22.4085



14.5662, 21.9563, 15.2920

Square

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



29.7525, 21.9563, 22.4085



20.3389, 21.9563, 7.7270



13.9570, 21.9563, 25.4702



21.4078, 21.9563, 54.2044

Rectangle

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



29.7525, 21.9563, 22.4085



25.8620, 21.9563, 9.9232



13.9570, 21.9563, 25.4702



16.5636, 21.9563, 47.1477

Sweetspot

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



29.7531, 21.9574, 22.4089



75.4123, 72.5688, 79.2550



29.5775, 21.2282, 51.2538



16.1585, 15.3132, 16.7138



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.



29.7531, 21.9574, 22.4089



49.1678, 32.8340, 31.1879



30.4798, 25.5986, 15.9064



9.6342, 9.5780, 10.4626



14.5583, 7.4545, 2.9678



0.5988, 0.3034, 0.2666

Inverse Universe

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



29.7531, 21.9574, 22.4089



49.1678, 32.8340, 31.1879



29.3250, 35.6440, 54.0497



9.6342, 9.5780, 10.4626



14.5583, 7.4545, 2.9678



0.5988, 0.3034, 0.2666

Previews

White Background



This preview shows how the XYZ color 29.7525, 21.9563, 22.4085 looks on a white background.

Color Contrast Check

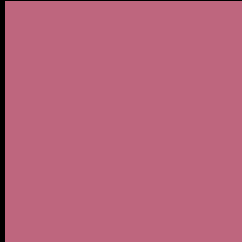
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7525, 21.9563, 22.4085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

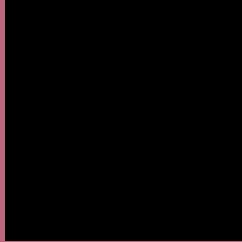
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.7525, 21.9563, 22.4085

Background



This preview shows how black text looks on a background with the XYZ color 29.7525, 21.9563, 22.4085.



This preview shows how white text looks on a background with the XYZ color 29.7525, 21.9563,

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

29.7525, 21.9563, 22.4085

Protanopia

21.6348, 22.2427, 28.7442

Deuteranopia

22.5235, 22.0921, 21.4894



Tritanopia

28.8612, 21.8893, 18.0331

Trichromacy



Original Color

29.7525, 21.9563, 22.4085

Protanomaly

23.8033, 21.5505, 26.1977

Deuteranomaly

24.6344, 21.7297, 21.6348

Tritanomaly

29.0474, 21.8037, 19.5072

Monochromacy



Original Color

29.7525, 21.9563, 22.4085

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.6278, 21.6933, 23.7108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7525, 21.9563, 22.4085 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(190, 102, 126)` looks like.

```
.text, #text, p{  
  color:rgb(190, 102, 126)  
}
```

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(190, 102, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 102, 126) }
```

Border

The CSS property to change the border of an element to XYZ 29.7525, 21.9563, 22.4085 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(190, 102, 126) }
```


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

```
.border{ border-color:rgb(190, 102, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 102, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 102, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 102, 126);  
box-shadow:4px 4px 4px 4px rgb(190, 102,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7525, 21.9563, 22.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 102, 126) }
```

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

```
.background{ background-color: rgb(190,  
102, 126) }
```

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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