

Converting Colors

XYZ(32.1976, 20.9897, 29.9932)

Have a look what the booklet for
XYZ(32.1976, 20.9897, 29.9932)
contains.

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Color

**XYZ(32.2278, 21.0651,
29.9711)**

Conversions

Conversions Part 1

Format	Color
Hex	C75793
RGB	199, 87, 147
RGB Percent	78%, 34%, 58%
CMY	0.2196, 0.6588, 0.4235
CMYK	0.00, 0.56, 0.26, 0.22
HSL	328°, 50%, 56%
HSV	328°, 56%, 78%
XYZ	32.2278, 21.0651, 29.9711
YIQ	127.3280, 47.4920, 42.4040

Conversions

Conversions Part 2

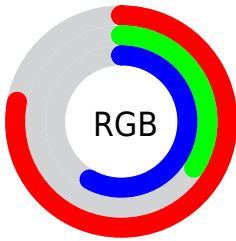
Format	Color
R_{YB}	199, 87, 147
Decimal	13064083
CIE _{Lab}	53.02, 51.16, -11.10
CIE _{LCh}	53, 52.346, 347.759
Yxy	21.0651, 0.3871, 0.2530
Android (android.graphics.Color)	4291254163 (0xFFC75793)
YUV	127.3280, 9.6983, 62.8563
Hunter-Lab	45.8967, 45.0200, -6.5893

Details

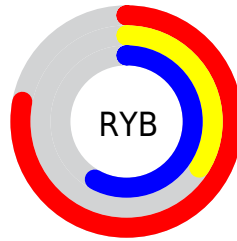
The XYZ color **32.2278, 21.0651, 29.9711** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **29.0152, 44.7377, 31.5344**, and the grayscale version is **20.2426, 21.2968, 23.1922**.

A 20% lighter version of the original color is **61.3075, 44.5268, 60.6216**, and **13.7309, 7.5239, 11.7949** is the 20% darker color. If you saturate the color by 10%, you get **30.1368, 17.9972, 25.8394**, and if you desaturate by 10%, it is **34.8223, 25.0465, 34.5584**.

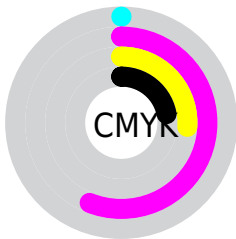
Distribution



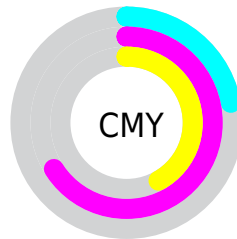
- Red (78%)
- Green (34%)
- Blue (58%)



- Red (78%)
- Yellow (34%)
- Blue (58%)



- Cyan (0%)
- Magenta (56%)
- Yellow (26%)
- Black (22%)





- Cyan (22%)
- Magenta (66%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2278, 21.0651, 29.9711 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 32.2278, 21.0651, 29.9711 by changing the saturation by 10% instead.


 32.2278, 21.0651,
29.9711


 32.2278, 21.0651,
29.9711


303.8825,
257.6243, 315.9728

 21.6919, 13.1716,
19.5648


 62.5308, 45.1959,
60.6769

 13.7461, 7.5468,
11.8982


 83.0287, 62.2019,
81.8135

 8.0248, 3.8064,
6.5527


 107.5780, 83.0142,
107.3640

 4.1627, 1.5658,
3.1098

 136.5440,
108.0173, 137.7468

 1.7946, 0.3344,
1.1510

170.2921,
137.5954, 173.3806

 0.5144, 0.0000,
0.0000

209.1876,

 0.0000, 0.0000,

172.1330, 214.6838

0.0000

253.5960,
212.0145, 262.0751

■ 32.2278, 21.0651,
29.9711

■ 32.2278, 21.0651,
29.9711

■ 30.1368, 17.9972,
25.8394

■ 34.8223, 25.0465,
34.5584

■ 28.5087, 15.7640,
22.1425

■ 37.9529, 30.0050,
39.6180

■ 27.2989, 14.2788,
18.8587

■ 41.6517, 36.0025,
45.1671

■ 26.4503, 13.4296,
15.9618

■ 45.9474, 43.0946,
51.2215

■ 26.1862, 13.1953,
14.9673

■ 50.8669, 51.3329,
57.7959

■ 56.4352, 60.7658,
64.9045

■ 62.6762, 71.4389,
72.5608

■ 69.6121, 83.3955,
80.7776

■ 73.6184, 89.3842,
88.3522

Harmonies

Analogous

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



28.9093, 21.0651, 49.8940



32.2278, 21.0651, 29.9711



31.8675, 21.0651, 14.8876

Triad

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



32.2278, 21.0651, 29.9711



16.9681, 21.0651, 4.5002



13.7242, 21.0651, 53.4333

Complementary

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



32.2278, 21.0651, 29.9711



29.0152, 44.7377, 31.5344

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.



11.5491, 21.0651, 33.4622



32.2278, 21.0651, 29.9711



13.1725, 21.0651, 8.0127

Square

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



32.2278, 21.0651, 29.9711



22.3472, 21.0651, 4.2504



11.3676, 21.0651, 17.0986



17.8635, 21.0651, 67.0534

Rectangle

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



32.2278, 21.0651, 29.9711



29.5934, 21.0651, 8.9463



11.3676, 21.0651, 17.0986



12.7747, 21.0651, 46.9108

Sweetspot

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



32.2284, 21.0662, 29.9715



79.6730, 74.1629, 88.6162



24.1003, 16.2935, 55.9076



16.7111, 15.3063, 18.4932



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.



32.2284, 21.0662, 29.9715



51.9150, 30.3095, 43.4088



28.9203, 19.7429, 12.5512



10.8674, 10.7303, 12.2850



16.8830, 8.5027, 9.8595



0.8357, 0.4171, 0.6581

Inverse Universe

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



32.2284, 21.0662, 29.9715



51.9150, 30.3095, 43.4088



34.0249, 46.7416, 57.9153



10.8674, 10.7303, 12.2850



16.8830, 8.5027, 9.8595



0.8357, 0.4171, 0.6581

Previews

White Background



This preview shows how the XYZ color 32.2278, 21.0651, 29.9711 looks on a white background.

Color Contrast Check

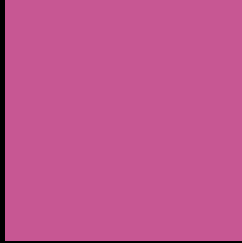
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2278, 21.0651, 29.9711 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 32.2278, 21.0651, 29.9711

Background



This preview shows how black text looks on a background with the XYZ color 32.2278, 21.0651, 29.9711.



This preview shows how white text looks on a background with the XYZ color 32.2278, 21.0651,

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

32.2278, 21.0651, 29.9711

Protanopia

21.7836, 21.2339, 42.9948

Deuteranopia

21.6882, 21.3249, 28.1723



Tritanopia

29.2286, 21.1308, 15.3701

Trichromacy



Original Color

32.2278, 21.0651, 29.9711

Protanomaly

23.8869, 19.9785, 37.7192

Deuteranomaly

24.5470, 20.5201, 28.6536

Tritanomaly

30.0091, 20.8964, 19.9045

Monochromacy



Original Color

32.2278, 21.0651, 29.9711

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

23.2341, 20.0819, 25.2059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2278, 21.0651, 29.9711 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(199, 87, 147)` looks like.

```
.text, #text, p{  
    color:rgb(199, 87, 147)  
}
```

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(199, 87, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 87, 147) }
```

Border

The CSS property to change the border of an element to XYZ 32.2278, 21.0651, 29.9711 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(199, 87, 147) }
```


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

```
.border{ border-color:rgb(199, 87, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 87, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 87, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 87, 147);  
box-shadow:4px 4px 4px 4px rgb(199, 87,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2278, 21.0651, 29.9711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 87, 147) }
```

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

```
.background{ background-color: rgb(199, 87,  
147) }
```

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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