

Converting Colors

XYZ(32.1516, 19.7027, 29.5164)

Have a look what the booklet for
XYZ(32.1516, 19.7027, 29.5164)
contains.

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Color

**XYZ(32.1397, 19.6953,
29.7114)**

Conversions

Conversions Part 1

Format	Color
Hex	CA4B93
RGB	202, 75, 147
RGB Percent	79%, 29%, 58%
CMY	0.2078, 0.7059, 0.4235
CMYK	0.00, 0.63, 0.27, 0.21
HSL	326°, 55%, 54%
HSV	326°, 63%, 79%
XYZ	32.1397, 19.6953, 29.7114
YIQ	121.1810, 52.5800, 49.3160

Conversions

Conversions Part 2

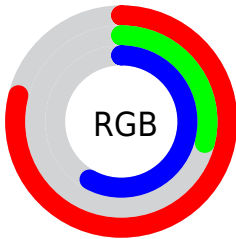
Format	Color
RYB	202, 75, 147
Decimal	13257619
CIELab	51.49, 57.43, -13.36
CIElCh	51, 58.965, 346.905
Yxy	19.6953, 0.3941, 0.2415
Android (android.graphics.Color)	4291447699 (0xFFCA4B93)
YUV	121.1810, 12.7288, 70.8783
Hunter-Lab	44.3794, 51.6064, -8.6283

Details

The XYZ color **32.1397, 19.6953, 29.7114** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **28.0525, 45.3493, 28.3963**, and the grayscale version is **18.1816, 19.1284, 20.8308**.

A 20% lighter version of the original color is **59.8989, 41.7096, 60.1521**, and **13.6455, 6.8389, 11.6672** is the 20% darker color. If you saturate the color by 10%, you get **30.3200, 17.1130, 25.8456**, and if you desaturate by 10%, it is **34.4476, 23.1702, 33.9979**.

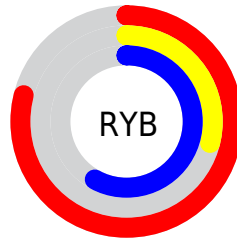
Distribution



Red (79%)

Green (29%)

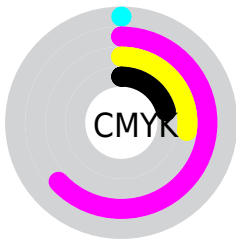
Blue (58%)



Red (79%)

Yellow (29%)

Blue (58%)

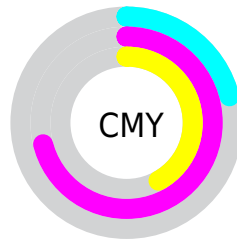


Cyan (0%)

Magenta (63%)

Yellow (27%)

Black (21%)



Cyan (21%)


Magenta (71%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1397, 19.6953, 29.7114 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 32.1397, 19.6953, 29.7114 by changing the saturation by 10% instead.


 32.1397, 19.6953,
29.7114


 32.1397, 19.6953,
29.7114


303.4891,
250.2608, 314.7222


 21.6243, 12.1738,
19.3694


 62.3937, 42.9057,
60.2611


 13.6961, 6.8621,
11.7580


 82.8631, 59.3634,
81.3059


 7.9899, 3.3760,
6.4586

 107.3811, 79.5686,
106.7554

 4.1403, 1.3311,
3.0526

 136.3132,
103.9057, 137.0281

 1.7818, 0.1651,
1.1216

 170.0247,
132.7590, 172.5426

 0.5067, 0.0000,
0.0000

208.8809,

 0.0000, 0.0000,

166.5131, 213.7175

0.0000

253.2473,
205.5522, 260.9711

■ 32.1397, 19.6953,
29.7114

■ 32.1397, 19.6953,
29.7114

■ 30.3200, 17.1130,
25.8456

■ 34.4476, 23.1702,
33.9979

■ 28.9428, 15.3341,
22.3791

■ 37.2804, 27.6095,
38.7222

■ 27.9560, 14.2562,
19.2888

■ 40.6728, 33.0811,
43.9017

■ 27.4240, 13.7833,
17.2889

■ 44.6563, 39.6460,
49.5518

■ 49.2597, 47.3604,
55.6872

■ 54.5099, 56.2764,
62.3219

■ 60.4323, 66.4432,
69.4691

■ 67.0507, 77.9070,
77.1413

■ 73.8086, 89.5532,
85.1577

Harmonies

Analogous

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



28.3229, 19.6953, 52.3184



32.1397, 19.6953, 29.7114



31.8597, 19.6953, 13.2934

Triad

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



32.1397, 19.6953, 29.7114



15.6010, 19.6953, 2.9320



11.9700, 19.6953, 55.1453

Complementary

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



32.1397, 19.6953, 29.7114



28.0525, 45.3493, 28.3963

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.



9.8042, 19.6953, 32.3899



32.1397, 19.6953, 29.7114



11.5772, 19.6953, 5.9931

Square

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



32.1397, 19.6953, 29.7114



21.4191, 19.6953, 2.7856



9.6775, 19.6953, 14.8742



16.2574, 19.6953, 71.4471

Rectangle

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



32.1397, 19.6953, 29.7114



29.3770, 19.6953, 7.2213



9.6775, 19.6953, 14.8742



11.0131, 19.6953, 47.5819

Sweetspot

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



32.1403, 19.6963, 29.7118



78.2976, 71.6094, 87.5497



22.0675, 13.8804, 57.3935



16.2941, 14.5519, 18.1092



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.



32.1403, 19.6963, 29.7118



50.5222, 27.8838, 41.8352



28.5370, 18.2550, 10.7372



11.4743, 11.3184, 13.0321



17.6923, 8.8875, 11.3644



0.9504, 0.4736, 0.7845

Inverse Universe

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



32.1403, 19.6963, 29.7118



50.5222, 27.8838, 41.8352



33.4728, 47.5174, 56.9391



11.4743, 11.3184, 13.0321



17.6923, 8.8875, 11.3644



0.9504, 0.4736, 0.7845

Previews

White Background



This preview shows how the XYZ color 32.1397, 19.6953, 29.7114 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 32.1397, 19.6953, 29.7114 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

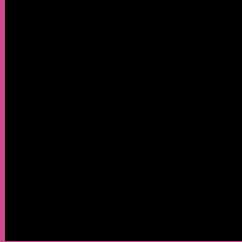
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.1397, 19.6953, 29.7114

Background



This preview shows how black text looks on a background with the XYZ color 32.1397, 19.6953, 29.7114.



This preview shows how white text looks on a background with the XYZ color 32.1397, 19.6953,

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

32.1397, 19.6953, 29.7114

Protanopia

20.7845, 19.9131, 45.9282

Deuteranopia

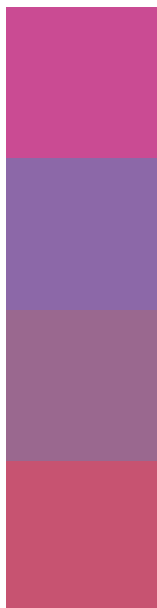
20.2025, 19.8384, 27.5754



Tritanopia

28.5361, 19.6579, 12.8800

Trichromacy



Original Color

32.1397, 19.6953, 29.7114

Protanomaly

22.8334, 18.3032, 39.3752

Deuteranomaly

23.2347, 18.7538, 28.3818

Tritanomaly

29.6271, 19.5209, 17.8292

Monochromacy



Original Color

32.1397, 19.6953, 29.7114

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

21.5573, 17.9964, 23.4565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1397, 19.6953, 29.7114 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(202, 75, 147)` looks like.

```
.text, #text, p{  
    color:rgb(202, 75, 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(202, 75, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 75, 147) }
```

Border

The CSS property to change the border of an element to XYZ 32.1397, 19.6953, 29.7114 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(202, 75, 147) }
```


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

```
.border{ border-color:rgb(202, 75, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 75, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 75, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 75, 147);  
box-shadow:4px 4px 4px 4px rgb(202, 75,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1397, 19.6953, 29.7114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 75, 147) }
```

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

```
.background{ background-color: rgb(202, 75,  
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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