

Converting Colors

XYZ(29.6834, 39.1618, 32.3232)

Have a look what the booklet for
XYZ(29.6834, 39.1618, 32.3232)
contains.

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Color

**XYZ(29.7263, 39.2723,
32.3991)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB590
RGB	123, 181, 144
RGB Percent	48%, 71%, 56%
CMY	0.5176, 0.2902, 0.4353
CMYK	0.32, 0.00, 0.20, 0.29
HSL	142°, 28%, 60%
HSV	142°, 32%, 71%
XYZ	29.7263, 39.2723, 32.3991
YIQ	159.4400, -22.6910, -23.8030

Conversions

Conversions Part 2

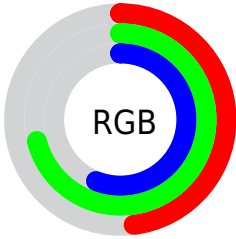
Format	Color
RYB	123, 166, 181
Decimal	8107408
CIELab	68.95, -26.76, 12.94
CIELCh	69, 29.726, 154.195
Yxy	39.2723, 0.2932, 0.3873
Android (android.graphics.Color)	4286297488 (0xFF7BB590)
YUV	159.4400, -7.6119, -31.9579
Hunter-Lab	62.6676, -24.9971, 13.2145

Details

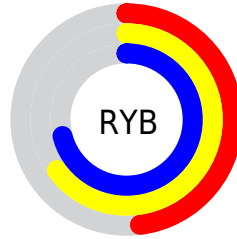
The XYZ color **29.7263, 39.2723, 32.3991** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.4855, 26.5287, 36.6678**, and the grayscale version is **33.1983, 34.9272, 38.0357**.

A 20% lighter version of the original color is **58.6087, 73.9927, 64.6191**, and **12.4120, 17.6242, 13.3373** is the 20% darker color. If you saturate the color by 10%, you get **26.5347, 37.7249, 27.8763**, and if you desaturate by 10%, it is **33.4890, 41.1059, 37.4216**.

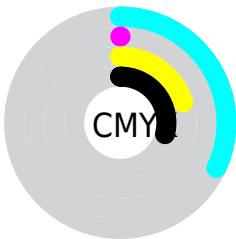
Distribution



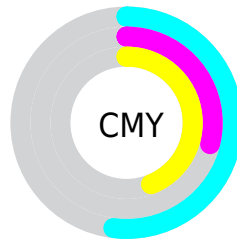
- Red (48%)
- Green (71%)
- Blue (56%)



- Red (48%)
- Yellow (65%)
- Blue (71%)



- Cyan (32%)
- Magenta (0%)
- Yellow (20%)
- Black (29%)





- Cyan (52%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7263, 39.2723, 32.3991 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 29.7263, 39.2723, 32.3991 by changing the saturation by 10% instead.


 29.7263, 39.2723,
32.3991


 29.7263, 39.2723,
32.3991


292.5594,
343.0468, 327.4819


 19.7780, 26.9716,
21.3992


 58.6187, 74.0541,
64.5414

 12.3411, 17.5519,
13.2220

 78.2934, 97.3040,
86.5208

 7.0503, 10.6288,
7.4491


 101.9410,
124.9725, 112.9972

 3.5402, 5.8178,
3.6618

129.9269,
157.4439, 144.3891

 1.4454, 2.7346,
1.4417

162.6163,
195.1027, 181.1149

 0.2882, 0.9948,
0.1739

200.3746,

 0.0000, 0.0000,

238.3331, 223.5933

0.0000

243.5671,
287.5197, 272.2428

■ 29.7263, 39.2723,
32.3991

■ 29.7263, 39.2723,
32.3991

■ 26.5347, 37.7249,
27.8763

■ 33.4890, 41.1059,
37.4216

■ 23.8820, 36.4441,
23.8351

■ 37.8467, 43.2344,
42.9559

■ 21.7374, 35.4154,
20.2601


■ 42.8257, 45.6721,
49.0170


■ 20.0656, 34.6210,
17.1341


■ 48.4496, 48.4311,
55.6185


■ 18.8264, 34.0405,
14.4387


■ 54.7409, 51.5225,
62.7735


 17.9724, 33.6500,
12.1542

 61.7211, 54.9573,
70.4945

 17.4943, 33.4371,
10.6144

 69.4105, 58.7456,
78.7938

 72.9599, 60.3873,
87.4554

 74.6962, 61.0818,
96.5988

Harmonies

Analogous

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



32.4474, 39.2723, 24.6387



29.7263, 39.2723, 32.3991



28.9748, 39.2723, 44.6939

Triad

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



29.7263, 39.2723, 32.3991



37.9962, 39.2723, 74.3375



45.3628, 39.2723, 29.7339

Complementary

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



29.7263, 39.2723, 32.3991



32.4855, 26.5287, 36.6678

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.



47.1477, 39.2723, 40.8843



29.7263, 39.2723, 32.3991



42.6731, 39.2723, 68.1133

Square

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



29.7263, 39.2723, 32.3991



33.5080, 39.2723, 70.7442



46.1243, 39.2723, 55.1252



41.4260, 39.2723, 23.3432

Rectangle

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



29.7263, 39.2723, 32.3991



29.6337, 39.2723, 54.3438



46.1243, 39.2723, 55.1252



46.2487, 39.2723, 32.9531

Sweetspot

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



29.7274, 39.2739, 32.4000



69.3678, 78.2054, 78.8952



34.7380, 42.0255, 25.0203



14.7394, 16.7790, 16.7387



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.7274, 39.2739, 32.4000



49.3594, 68.4522, 52.5878



32.1688, 40.2505, 45.2563



8.5119, 9.5393, 9.6893



12.0903, 23.0621, 7.4784



0.4090, 0.7371, 0.3858

Inverse Universe

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



32.4855, 26.5287, 36.6678



55.0227, 42.2630, 61.3357



30.2845, 25.6483, 25.0774



8.7168, 8.5935, 10.0073



15.3229, 7.6467, 12.1262



0.5089, 0.2513, 0.5224

Previews

White Background



This preview shows how the XYZ color 29.7263, 39.2723, 32.3991 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 29.7263, 39.2723, 32.3991 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 ✓ Pass

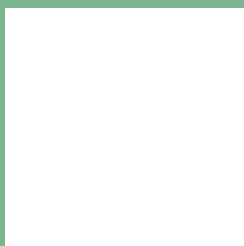
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7263, 39.2723, 32.3991

Background



This preview shows how black text looks on a background with the XYZ color 29.7263, 39.2723, 32.3991.

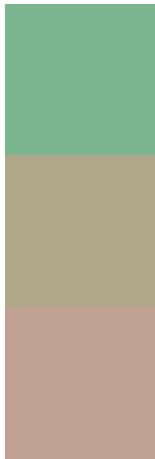


This preview shows how white text looks on a background with the XYZ color 29.7263, 39.2723,

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

29.7263, 39.2723, 32.3991

Protanopia

36.4655, 38.7907, 29.2323

Deuteranopia

39.5760, 38.7042, 33.4018



Tritanopia

34.0310, 39.2396, 53.9245

Trichromacy



Original Color

29.7263, 39.2723, 32.3991

Protanomaly

33.3908, 38.5666, 30.4952

Deuteranomaly

34.9950, 38.2188, 33.1363

Tritanomaly

32.3182, 39.1285, 45.3844

Monochromacy



Original Color

29.7263, 39.2723, 32.3991

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.5055, 36.0815, 35.8758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7263, 39.2723, 32.3991 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(123, 181, 144)` looks like.

```
.text, #text, p{  
    color:rgb(123, 181, 144)  
}
```

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(123, 181, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 181, 144) }
```

Border

The CSS property to change the border of an element to XYZ 29.7263, 39.2723, 32.3991 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(123, 181, 144) }
```


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

```
.border{ border-color:rgb(123, 181, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 181, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 181, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 181, 144);  
box-shadow:4px 4px 4px 4px rgb(123, 181,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7263, 39.2723, 32.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 181, 144) }
```

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

```
.background{ background-color: rgb(123,  
181, 144) }
```

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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