

Converting Colors

XYZ(29.4908, 39.8222, 23.8351)

Have a look what the booklet for
XYZ(29.4908, 39.8222, 23.8351)
contains.

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Color

**XYZ(29.5296, 39.9689,
23.9277)**

Conversions

Conversions Part 1

Format	Color
Hex	82B778
RGB	130, 183, 120
RGB Percent	51%, 72%, 47%
CMY	0.4902, 0.2823, 0.5294
CMYK	0.29, 0.00, 0.34, 0.28
HSL	110°, 30%, 59%
HSV	110°, 34%, 72%
XYZ	29.5296, 39.9689, 23.9277
YIQ	159.9710, -11.3650, -30.8290

Conversions

Conversions Part 2

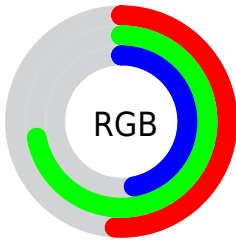
Format	Color
RYB	120, 183, 173
Decimal	8566648
CIELab	69.45, -29.66, 26.63
CIELCh	69, 39.865, 138.083
Yxy	39.9689, 0.3161, 0.4278
Android (android.graphics.Color)	4286756728 (0xFF82B778)
YUV	159.9710, -19.7057, -26.2846
Hunter-Lab	63.2210, -27.2619, 21.8148

Details

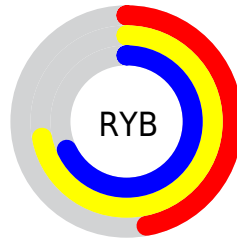
The XYZ color **29.5296, 39.9689, 23.9277** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **32.4991, 25.7373, 48.0568**, and the grayscale version is **33.4928, 35.2371, 38.3732**.

A 20% lighter version of the original color is **58.1765, 74.9405, 50.9339**, and **12.2618, 18.0399, 8.7970** is the 20% darker color. If you saturate the color by 10%, you get **26.3362, 38.4401, 18.5245**, and if you desaturate by 10%, it is **33.2908, 41.7682, 30.4671**.

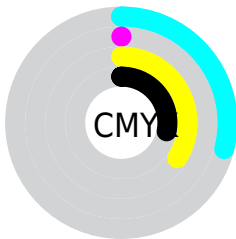
Distribution



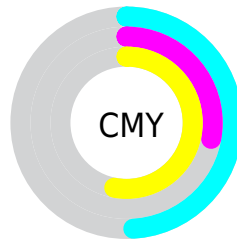
- Red (51%)
- Green (72%)
- Blue (47%)



- Red (47%)
- Yellow (72%)
- Blue (68%)



- Cyan (29%)
- Magenta (0%)
- Yellow (34%)
- Black (28%)



- Cyan (49%)
- Magenta (28%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5296, 39.9689, 23.9277 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 29.5296, 39.9689, 23.9277 by changing the saturation by 10% instead.

■ 29.5296, 39.9689,
23.9277

■ 29.5296, 39.9689,
23.9277

291.6549,
345.9925, 285.7295

■ 19.6281, 27.5143,
15.0683

■ 58.3092, 75.1162,
50.8545

■ 12.2317, 17.9599,
8.7202

■ 77.9181, 98.5776,
69.7591

■ 6.9750, 10.9212,
4.4648

■ 101.4934,
126.4768, 92.8490

■ 3.4927, 6.0138,
1.8836

129.4006,
159.1981, 120.5430

■ 1.4193, 2.8535,
0.4823

162.0050,
197.1259, 153.2595

■ 0.2699, 1.0557,
0.0000

199.6719,

■ 0.0000, 0.0000,

240.6446, 191.4170

0.0000

242.7668,
290.1387, 235.4342

■ 29.5296, 39.9689,
23.9277

■ 29.5296, 39.9689,
23.9277

■ 26.3362, 38.4401,
18.5245

■ 33.2908, 41.7682,
30.4671

■ 23.6796, 37.1638,
14.1903

■ 37.6424, 43.8449,
38.1997

■ 21.5308, 36.1276,
10.8549


■ 42.6099, 46.2121,
47.1816


■ 19.8564, 35.3162,
8.4384


■ 48.2159, 48.8803,
57.4648


■ 18.6192, 34.7123,
6.8490

■ 54.4822, 51.8597,
69.0981

 17.7757, 34.2959,
5.9758

 61.4295, 55.1599,
82.1281

 17.4422, 34.1305,
5.6685

 69.0775, 58.7903,
96.5990

 75.5538, 62.0029,
102.5934

 76.2243, 62.3486,
102.6248

Harmonies

Analogous

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



34.2875, 39.9689, 17.8341



29.5296, 39.9689, 23.9277



27.1527, 39.9689, 36.6245

Triad

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



29.5296, 39.9689, 23.9277



35.4986, 39.9689, 88.0457



50.9634, 39.9689, 33.4488

Complementary

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



29.5296, 39.9689, 23.9277



32.4991, 25.7373, 48.0568

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.



51.3823, 39.9689, 51.2294



29.5296, 39.9689, 23.9277



41.9483, 39.9689, 86.4816

Square

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



29.5296, 39.9689, 23.9277



30.3300, 39.9689, 75.4560



47.9275, 39.9689, 71.6436



46.8402, 39.9689, 22.1691

Rectangle

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



29.5296, 39.9689, 23.9277



27.0383, 39.9689, 48.6783



47.9275, 39.9689, 71.6436



51.5577, 39.9689, 38.7384

Sweetspot

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



29.5306, 39.9706, 23.9286



71.0676, 80.2637, 74.9874



37.7682, 41.1210, 23.7165



15.4264, 17.5990, 16.0750



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.5306, 39.9706, 23.9286



48.6401, 69.5495, 35.6403



29.4882, 39.7850, 31.3254



9.0196, 10.1267, 9.5862



12.2063, 23.8289, 3.9561



0.4722, 0.8616, 0.1414

Inverse Universe

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



32.4991, 25.7373, 48.0568



54.7123, 40.3408, 85.1386



32.7680, 26.1099, 37.4966



9.2372, 9.0886, 11.3469



15.3016, 7.1995, 31.8362



0.5774, 0.2734, 1.1241

Previews

White Background



This preview shows how the XYZ color 29.5296, 39.9689, 23.9277 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 29.5296, 39.9689, 23.9277 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 29.5296, 39.9689, 23.9277

Background



This preview shows how black text looks on a background with the XYZ color 29.5296, 39.9689, 23.9277.



This preview shows how white text looks on a background with the XYZ color 29.5296, 39.9689,

23.9277.

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

29.5296, 39.9689, 23.9277

Protanopia

36.7537, 39.6581, 21.6372

Deuteranopia

40.4414, 39.6007, 24.9142



Tritanopia

35.5624, 40.0416, 53.4314

Trichromacy



Original Color

29.5296, 39.9689, 23.9277

Protanomaly

33.5983, 39.4256, 22.3621

Deuteranomaly

35.6291, 39.2935, 24.4454

Tritanomaly

33.0125, 39.8884, 40.6096

Monochromacy



Original Color

29.5296, 39.9689, 23.9277

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.5079, 36.4392, 32.1609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5296, 39.9689, 23.9277 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(130, 183, 120)` looks like.

```
.text, #text, p{  
    color:rgb(130, 183, 120)  
}
```

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(130, 183, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 183, 120) }
```

Border

The CSS property to change the border of an element to XYZ 29.5296, 39.9689, 23.9277 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(130, 183, 120) }
```


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

```
.border{ border-color:rgb(130, 183, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 183, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 183, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 183, 120);  
box-shadow:4px 4px 4px 4px rgb(130, 183,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5296, 39.9689, 23.9277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 183, 120) }
```

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

```
.background{ background-color: rgb(130,  
183, 120) }
```

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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