

Converting Colors

XYZ(29.6893, 39.9129, 30.1839)

Have a look what the booklet for
XYZ(29.6893, 39.9129, 30.1839)
contains.

XYZ(29.6893, 39.9129, 30.1839)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.6893, 39.9129,
30.1839)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB78A
RGB	123, 183, 138
RGB Percent	48%, 72%, 54%
CMY	0.5176, 0.2823, 0.4588
CMYK	0.33, 0.00, 0.25, 0.28
HSL	135°, 29%, 60%
HSV	135°, 33%, 72%
XYZ	29.6893, 39.9129, 30.1839
YIQ	159.9300, -21.3150, -26.7150

Conversions

Conversions Part 2

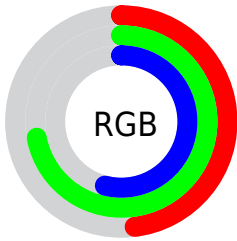
Format	Color
RYB	123, 171, 183
Decimal	8107914
CIELab	69.41, -28.88, 16.85
CIElCh	69, 33.437, 149.745
Yxy	39.9129, 0.2975, 0.4000
Android (android.graphics.Color)	4286297994 (0xFF7BB78A)
YUV	159.9300, -10.8115, -32.3876
Hunter-Lab	63.1767, -26.6747, 15.8967

Details

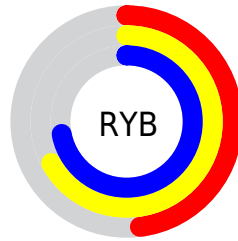
The XYZ color **29.6893, 39.9129, 30.1839** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **33.6806, 27.0612, 40.4956**, and the grayscale version is **33.4375, 35.1788, 38.3097**.

A 20% lighter version of the original color is **58.5124, 74.8859, 61.2397**, and **12.3426, 18.0094, 12.0582** is the 20% darker color. If you saturate the color by 10%, you get **26.3805, 38.3159, 25.1658**, and if you desaturate by 10%, it is **33.6153, 41.8158, 35.8882**.

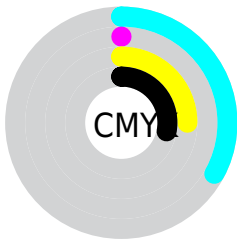
Distribution



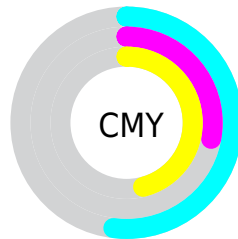
- Red (48%)
- Green (72%)
- Blue (54%)



- Red (48%)
- Yellow (67%)
- Blue (72%)



- Cyan (33%)
- Magenta (0%)
- Yellow (25%)
- Black (28%)



- Cyan (52%)
- Magenta (28%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6893, 39.9129, 30.1839 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 29.6893, 39.9129, 30.1839 by changing the saturation by 10% instead.

■ 29.6893, 39.9129,
30.1839

■ 29.6893, 39.9129,
30.1839

292.3894,
345.7563, 316.9947

■ 19.7498, 27.4706,
19.7250

■ 58.5605, 75.0309,
61.0173

■ 12.3205, 17.9270,
12.0132

■ 78.2229, 98.4754,
82.2289

■ 7.0361, 10.8976,
6.6300

■ 101.8569,
126.3560, 107.8618

■ 3.5312, 5.9980,
3.1569

129.8279,
159.0573, 138.3345

■ 1.4405, 2.8439,
1.1753

162.5014,
196.9636, 174.0656

■ 0.2848, 1.0508,
0.0000

200.2425,

■ 0.0000, 0.0000,

240.4593, 215.4737

0.0000

243.4167,
289.9287, 262.9772

■ 29.6893, 39.9129,
30.1839

■ 29.6893, 39.9129,
30.1839

■ 26.3805, 38.3159,
25.1658

■ 33.6153, 41.8158,
35.8882

■ 23.6535, 37.0038,
20.8054

■ 38.1848, 44.0342,
42.3004

■ 21.4747, 35.9609,
17.0760


■ 43.4266, 46.5838,
49.4448


■ 19.8050, 35.1676,
13.9481


■ 49.3668, 49.4774,
57.3435


■ 18.6003, 34.6020,
11.3899


■ 56.0299, 52.7273,
66.0178

 17.8084, 34.2377,
9.3665

 63.4395, 56.3451,
75.4881

 17.4225, 34.0638,
8.2157

 71.6180, 60.3421,
85.7739

 75.0872, 61.8937,
96.6370

 76.2243, 62.3485,
102.6248

Harmonies

Analogous

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



33.0351, 39.9129, 22.4894



29.6893, 39.9129, 30.1839



28.5097, 39.9129, 43.3269

Triad

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



29.6893, 39.9129, 30.1839



37.8901, 39.9129, 80.2929



47.6373, 39.9129, 30.3631

Complementary

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



29.6893, 39.9129, 30.1839



33.6806, 27.0612, 40.4956

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.



49.2401, 39.9129, 43.5901



29.6893, 39.9129, 30.1839



43.2992, 39.9129, 74.5622

Square

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



29.6893, 39.9129, 30.1839



32.9625, 39.9129, 74.3737



47.5838, 39.9129, 60.1458



43.3862, 39.9129, 22.5743

Rectangle

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



29.6893, 39.9129, 30.1839



29.0149, 39.9129, 54.2466



47.5838, 39.9129, 60.1458



48.5205, 39.9129, 34.2046

Sweetspot

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



29.6904, 39.9146, 30.1848



70.7287, 80.0002, 78.9829



36.8723, 43.7340, 25.2374



15.3430, 17.5341, 17.0617



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.



29.6904, 39.9146, 30.1848



48.9928, 69.4634, 47.7656



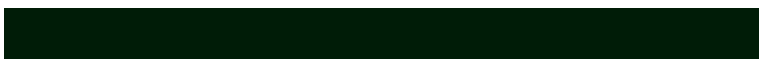
32.0781, 40.8697, 42.7586



8.9800, 10.0960, 10.0520



12.1774, 23.7719, 5.8563



0.4549, 0.8482, 0.3411

Inverse Universe

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



33.6806, 27.0612, 40.4956



57.1901, 43.0343, 68.9294



31.2728, 26.0981, 27.8160



9.2824, 9.1233, 10.8345



16.8145, 8.2996, 17.4417



0.6160, 0.3019, 0.7371

Previews

White Background



This preview shows how the XYZ color 29.6893, 39.9129, 30.1839 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 29.6893, 39.9129, 30.1839 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 29.6893, 39.9129, 30.1839

Background



This preview shows how black text looks on a background with the XYZ color 29.6893, 39.9129, 30.1839.



This preview shows how white text looks on a background with the XYZ color 29.6893, 39.9129,

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

29.6893, 39.9129, 30.1839

Protanopia

37.1071, 39.7179, 27.1833

Deuteranopia

40.0509, 39.2630, 31.0588



Tritanopia

34.4925, 39.7549, 54.5707

Trichromacy



Original Color

29.6893, 39.9129, 30.1839

Protanomaly

33.7372, 39.3643, 28.3742

Deuteranomaly

35.3309, 38.9974, 30.8644

Tritanomaly

32.5240, 39.8476, 44.5052

Monochromacy



Original Color

29.6893, 39.9129, 30.1839

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.7027, 36.4753, 35.0753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6893, 39.9129, 30.1839 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, 183, 138)` looks like.

```
.text, #text, p{  
    color:rgb(123, 183, 138)  
}
```

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, 183, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 183, 138) }
```

Border

The CSS property to change the border of an element to XYZ 29.6893, 39.9129, 30.1839 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, 183, 138) }
```


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

```
.border{ border-color:rgb(123, 183, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 183, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 183, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 183, 138); box-shadow:4px 4px 4px 4px rgb(123, 183, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6893, 39.9129, 30.1839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 183, 138) }
```

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

```
.background{ background-color: rgb(123,  
183, 138) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor