

Converting Colors

XYZ(29.8219, 39.2527, 31.4649)

Have a look what the booklet for
XYZ(29.8219, 39.2527, 31.4649)
contains.

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Color

**XYZ(29.8638, 39.3607,
31.6146)**

Conversions

Conversions Part 1

Format	Color
Hex	7DB58E
RGB	125, 181, 142
RGB Percent	49%, 71%, 56%
CMY	0.5098, 0.2902, 0.4431
CMYK	0.31, 0.00, 0.22, 0.29
HSL	138°, 27%, 60%
HSV	138°, 31%, 71%
XYZ	29.8638, 39.3607, 31.6146
YIQ	159.8100, -20.8570, -24.0010

Conversions

Conversions Part 2

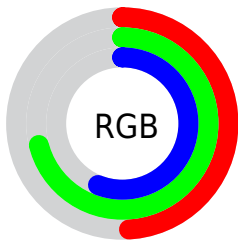
Format	Color
RYB	125, 168, 181
Decimal	8238478
CIELab	69.01, -26.51, 14.14
CIElCh	69, 30.046, 151.935
Yxy	39.3607, 0.2962, 0.3903
Android (android.graphics.Color)	4286428558 (0xFF7DB58E)
YUV	159.8100, -8.7803, -30.5284
Hunter-Lab	62.7381, -24.8244, 14.0396

Details

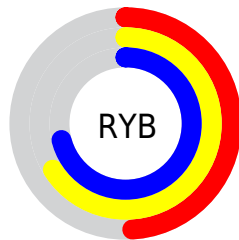
The XYZ color **29.8638, 39.3607, 31.6146** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **33.0918, 27.1722, 38.6241**, and the grayscale version is **33.3730, 35.1110, 38.2358**.

A 20% lighter version of the original color is **58.8384, 74.1376, 63.4334**, and **12.4750, 17.6669, 12.8778** is the 20% darker color. If you saturate the color by 10%, you get **26.5649, 37.7644, 26.7963**, and if you desaturate by 10%, it is **33.7534, 41.2513, 37.0211**.

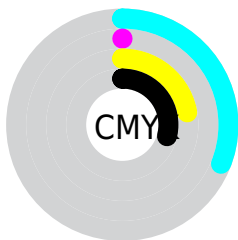
Distribution



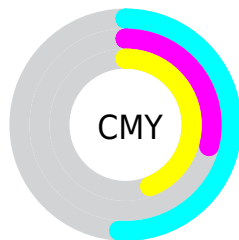
- Red (49%)
- Green (71%)
- Blue (56%)



- Red (49%)
- Yellow (66%)
- Blue (71%)



- Cyan (31%)
- Magenta (0%)
- Yellow (22%)
- Black (29%)



- Cyan (51%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8638, 39.3607, 31.6146 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 29.8638, 39.3607, 31.6146 by changing the saturation by 10% instead.

■ 29.8638, 39.3607,
31.6146

■ 29.8638, 39.3607,
31.6146

293.1903,
343.4216, 323.7983

■ 19.8828, 27.0404,
20.8049

■ 58.8348, 74.1890,
63.2973

■ 12.4176, 17.6036,
12.7916

■ 78.5556, 97.4659,
85.0074

■ 7.1030, 10.6658,
7.1562

■ 102.2536,
125.1637, 111.1880

■ 3.5735, 5.8426,
3.4800

130.2942,
157.6670, 142.2577

■ 1.4638, 2.7496,
1.3447

163.0429,
195.3600, 178.6351

■ 0.3010, 1.0024,
0.0980

200.8649,

■ 0.0000, 0.0000,

238.6271, 220.7386

0.0000

244.1256,
287.8529, 268.9868

■ 29.8638, 39.3607,
31.6146

■ 29.8638, 39.3607,
31.6146

■ 26.5649, 37.7644,
26.7963

■ 33.7534, 41.2513,
37.0211

■ 23.8239, 36.4426,
22.5435

■ 38.2581, 43.4452,
43.0319

■ 21.6093, 35.3807,
18.8361


■ 43.4048, 45.9569,
49.6662


■ 19.8853, 34.5607,
15.6518


■ 49.2177, 48.7986,
56.9412


■ 18.6112, 33.9620,
12.9664


■ 55.7200, 51.9818,
64.8735


 17.7394, 33.5606,
10.7541

 62.9335, 55.5175,
73.4792

 17.2129, 33.3246,
9.1328

 70.8792, 59.4162,
82.7737

 73.9192, 60.7711,
92.5073

 75.8146, 61.5292,
102.4882

Harmonies

Analogous

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



32.7513, 39.3607, 24.1553



29.8638, 39.3607, 31.6146



28.9467, 39.3607, 43.7532

Triad

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



29.8638, 39.3607, 31.6146



37.7228, 39.3607, 74.9638



45.7773, 39.3607, 30.3728

Complementary

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



29.8638, 39.3607, 31.6146



33.0918, 27.1722, 38.6241

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.



47.3832, 39.3607, 41.9733



29.8638, 39.3607, 31.6146



42.4933, 39.3607, 69.3413

Square

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



29.8638, 39.3607, 31.6146



33.2463, 39.3607, 70.5751



46.1337, 39.3607, 56.4914



41.9101, 39.3607, 23.5532

Rectangle

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



29.8638, 39.3607, 31.6146



29.5073, 39.3607, 53.4759



46.1337, 39.3607, 56.4914



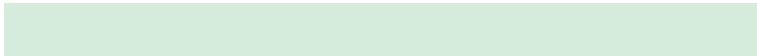
46.6136, 39.3607, 33.7462

Sweetspot

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



29.8649, 39.3623, 31.6155



70.0801, 78.5686, 79.1092



35.5781, 42.4441, 25.7198



14.8749, 16.8489, 16.7433



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.



29.8649, 39.3623, 31.6155



49.4246, 68.5267, 50.7422



32.2193, 40.3041, 44.0140



8.4917, 9.5312, 9.5827



11.8932, 22.9833, 6.4404



0.4008, 0.7338, 0.3428

Inverse Universe

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



33.0918, 27.1722, 38.6241



56.1032, 43.2770, 65.2322



30.8490, 26.2751, 26.8135



8.7380, 8.6019, 10.1185



15.7673, 7.8245, 14.4666



0.5206, 0.2560, 0.5840

Previews

White Background



This preview shows how the XYZ color 29.8638, 39.3607, 31.6146 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 29.8638, 39.3607, 31.6146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

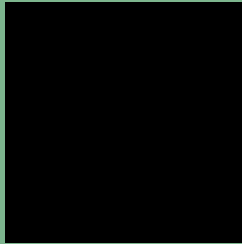
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8638, 39.3607, 31.6146

Background



This preview shows how black text looks on a background with the XYZ color 29.8638, 39.3607, 31.6146.



This preview shows how white text looks on a background with the XYZ color 29.8638, 39.3607,

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

29.8638, 39.3607, 31.6146

Protanopia

36.5520, 38.8517, 28.4943

Deuteranopia

39.8469, 39.1225, 32.6454



Tritanopia

34.3468, 39.4024, 53.9393

Trichromacy



Original Color

29.8638, 39.3607, 31.6146

Protanomaly

33.6380, 38.7110, 29.7438

Deuteranomaly

35.4473, 38.7451, 32.3983

Tritanomaly

32.5286, 39.2481, 44.8909

Monochromacy



Original Color

29.8638, 39.3607, 31.6146

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.7850, 36.5082, 35.5085

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8638, 39.3607, 31.6146 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(125, 181, 142)` looks like.

```
.text, #text, p{  
    color:rgb(125, 181, 142)  
}
```

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(125, 181, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 181, 142) }
```

Border

The CSS property to change the border of an element to XYZ 29.8638, 39.3607, 31.6146 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(125, 181, 142) }
```


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

```
.border{ border-color:rgb(125, 181, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 181, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 181, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 181, 142);  
box-shadow:4px 4px 4px 4px rgb(125, 181,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8638, 39.3607, 31.6146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 181, 142) }
```

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

```
.background{ background-color: rgb(125,  
181, 142) }
```

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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