

Converting Colors

XYZ(28.8866, 38.4469, 31.7641)

Have a look what the booklet for
XYZ(28.8866, 38.4469, 31.7641)
contains.

XYZ(29.0249, 38.6188, 31.9110)	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(29.0249, 38.6188,
31.9110)**

Conversions

Conversions Part 1

Format	Color
Hex	78B48F
RGB	120, 180, 143
RGB Percent	47%, 71%, 56%
CMY	0.5294, 0.2941, 0.4392
CMYK	0.33, 0.00, 0.21, 0.29
HSL	143°, 29%, 59%
HSV	143°, 33%, 71%
XYZ	29.0249, 38.6188, 31.9110
YIQ	157.8420, -23.8830, -24.2270

Conversions

Conversions Part 2

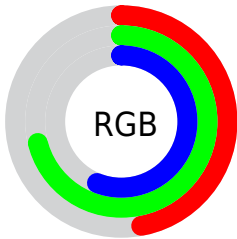
Format	Color
RYB	120, 163, 180
Decimal	7910543
CIELab	68.47, -27.41, 12.80
CIELCh	68, 30.250, 154.974
Yxy	38.6188, 0.2915, 0.3879
Android (android.graphics.Color)	4286100623 (0xFF78B48F)
YUV	157.8420, -7.3171, -33.1874
Hunter-Lab	62.1440, -25.3821, 13.0554

Details

The XYZ color **29.0249, 38.6188, 31.9110** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **31.6260, 25.5714, 35.1687**, and the grayscale version is **32.4685, 34.1594, 37.1995**.

A 20% lighter version of the original color is **57.5291, 73.0208, 63.8856**, and **12.0194, 17.2343, 13.0490** is the 20% darker color. If you saturate the color by 10%, you get **25.9597, 37.1321, 27.5933**, and if you desaturate by 10%, it is **32.6447, 40.3839, 36.6907**.

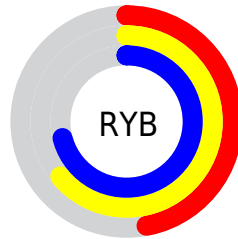
Distribution



Red (47%)

Green (71%)

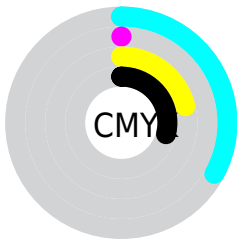
Blue (56%)



Red (47%)

Yellow (64%)

Blue (71%)

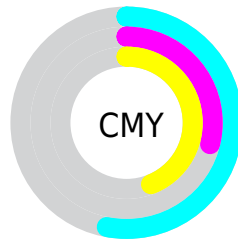


Cyan (33%)

Magenta (0%)

Yellow (21%)

Black (29%)



Cyan (53%)


Magenta (29%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0249, 38.6188, 31.9110 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 29.0249, 38.6188, 31.9110 by changing the saturation by 10% instead.


 29.0249, 38.6188,
31.9110


 29.0249, 38.6188,
31.9110


289.3245,
340.2671, 325.1939


 19.2440, 26.4633,
21.0293


 57.5139, 73.0556,
63.7678

 11.9518, 17.1706,
12.9539


 76.9528, 96.1057,
85.5800

 6.7828, 10.3562,
7.2665


 100.3417,
123.5562, 111.8727

 3.3718, 5.6357,
3.5483

128.0461,
155.7913, 143.0646

 1.3533, 2.6249,
1.3810

160.4311,
193.1956, 179.5741

 0.2226, 0.9392,
0.1268

197.8623,

 0.0000, 0.0000,

236.1534, 221.8198

0.0000

240.7050,
285.0491, 270.2202

■ 29.0249, 38.6188,
31.9110

■ 29.0249, 38.6188,
31.9110

■ 25.9597, 37.1321,
27.5933

■ 32.6447, 40.3839,
36.6907

■ 23.4172, 35.9045,
23.7212

■ 36.8426, 42.4361,
41.9431

■ 21.3670, 34.9216,
20.2808


■ 41.6445, 44.7896,
47.6819


■ 19.7740, 34.1656,
17.2568


■ 47.0738, 47.4560,
53.9192


■ 18.5982, 33.6164,
14.6326


■ 53.1524, 50.4466,
60.6669


 17.7921, 33.2496,
12.3905

 59.9016, 53.7720,
67.9363

 17.3962, 33.0737,
11.0972

 67.3411, 57.4423,
75.7385

 72.0998, 59.7191,
83.9255

 73.7254, 60.3694,
92.4857

Harmonies

Analogous

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



31.7079, 38.6188, 24.0269



29.0249, 38.6188, 31.9110



28.3256, 38.6188, 44.3620

Triad

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



29.0249, 38.6188, 31.9110



37.5049, 38.6188, 73.9242



44.7242, 38.6188, 28.7483

Complementary

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



29.0249, 38.6188, 31.9110



31.6260, 25.5714, 35.1687

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.



46.5951, 38.6188, 39.8185



29.0249, 38.6188, 31.9110



42.2035, 38.6188, 67.3792

Square

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



29.0249, 38.6188, 31.9110



32.9704, 38.6188, 70.5378



45.6352, 38.6188, 54.1353



40.7137, 38.6188, 22.4964

Rectangle

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



29.0249, 38.6188, 31.9110



29.0219, 38.6188, 54.1095



45.6352, 38.6188, 54.1353



45.6393, 38.6188, 31.9292

Sweetspot

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



29.0259, 38.6204, 31.9119



69.4339, 78.2318, 79.2431



33.8133, 41.2695, 23.9533



14.7554, 16.7854, 16.8231



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.



29.0259, 38.6204, 31.9119



48.4467, 67.9932, 52.0252



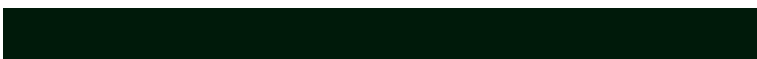
31.5146, 39.6159, 45.0171



8.5193, 9.5422, 9.7283



12.1716, 23.0946, 7.9062



0.4120, 0.7383, 0.4015

Inverse Universe

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



31.6260, 25.5714, 35.1687



53.8843, 40.6795, 58.8191



29.4362, 24.6955, 23.6378



8.7092, 8.5904, 9.9671



15.1731, 7.5868, 11.3372



0.5048, 0.2497, 0.5011

Previews

White Background



This preview shows how the XYZ color 29.0249, 38.6188, 31.9110 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 29.0249, 38.6188, 31.9110 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 29.0249, 38.6188, 31.9110

Background



This preview shows how black text looks on a background with the XYZ color 29.0249, 38.6188, 31.9110.

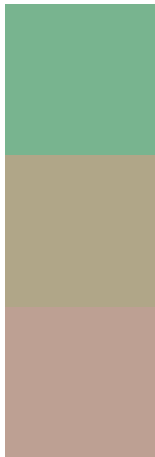


This preview shows how white text looks on a background with the XYZ color 29.0249, 38.6188,

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

29.0249, 38.6188, 31.9110

Protanopia

35.9846, 38.2801, 28.7848

Deuteranopia

38.8235, 38.0670, 32.9052



Tritanopia

33.2664, 38.5701, 53.2684

Trichromacy



Original Color

29.0249, 38.6188, 31.9110

Protanomaly

32.9334, 38.0578, 30.0362

Deuteranomaly

34.3169, 37.6053, 32.6440

Tritanomaly

31.5759, 38.4648, 44.7900

Monochromacy



Original Color

29.0249, 38.6188, 31.9110

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

30.8876, 35.5016, 35.3615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0249, 38.6188, 31.9110 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(120, 180, 143)` looks like.

```
.text, #text, p{  
    color:rgb(120, 180, 143)  
}
```

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(120, 180, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 180, 143) }
```

Border

The CSS property to change the border of an element to XYZ 29.0249, 38.6188, 31.9110 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(120, 180, 143) }
```


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

```
.border{ border-color:rgb(120, 180, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 180, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 180, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 180, 143);  
box-shadow:4px 4px 4px 4px rgb(120, 180,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0249, 38.6188, 31.9110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 180, 143) }
```

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

```
.background{ background-color: rgb(120,  
180, 143) }
```

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