

Converting Colors

XYZ(28.6449, 38.9838, 30.9677)

Have a look what the booklet for
XYZ(28.6449, 38.9838, 30.9677)
contains.

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Color

**XYZ(28.6640, 39.0624,
30.8400)**

Conversions

Conversions Part 1

Format	Color
Hex	74B68C
RGB	116, 182, 140
RGB Percent	45%, 71%, 55%
CMY	0.5451, 0.2863, 0.4510
CMYK	0.36, 0.00, 0.23, 0.29
HSL	142°, 31%, 58%
HSV	142°, 36%, 71%
XYZ	28.6640, 39.0624, 30.8400
YIQ	157.4780, -25.8540, -27.0540

Conversions

Conversions Part 2

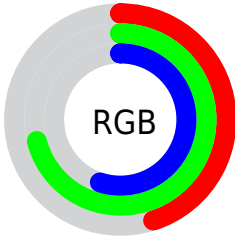
Format	Color
RYB	116, 164, 182
Decimal	7648908
CIELab	68.80, -30.20, 14.86
CIELCh	69, 33.656, 153.807
Yxy	39.0624, 0.2908, 0.3963
Android (android.graphics.Color)	4285838988 (0xFF74B68C)
YUV	157.4780, -8.6167, -36.3762
Hunter-Lab	62.4999, -27.5104, 14.4938

Details

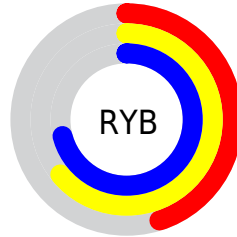
The XYZ color **28.6640, 39.0624, 30.8400** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **31.7096, 24.9053, 35.4850**, and the grayscale version is **32.3101, 33.9927, 37.0181**.

A 20% lighter version of the original color is **56.8897, 73.5902, 62.2449**, and **11.8101, 17.5287, 12.4338** is the 20% darker color. If you saturate the color by 10%, you get **25.6682, 37.6126, 26.4743**, and if you desaturate by 10%, it is **32.2258, 40.7957, 35.7032**.

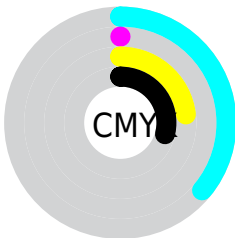
Distribution



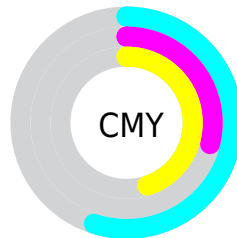
- Red (45%)
- Green (71%)
- Blue (55%)



- Red (45%)
- Yellow (64%)
- Blue (71%)



- Cyan (36%)
- Magenta (0%)
- Yellow (23%)
- Black (29%)





- Cyan (55%)
- Magenta (29%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6640, 39.0624, 30.8400 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 28.6640, 39.0624, 30.8400 by changing the saturation by 10% instead.


 28.6640, 39.0624,
30.8400


 28.6640, 39.0624,
30.8400


287.6492,
342.1557, 320.1289


 18.9698, 26.8083,
20.2196


 56.9441, 73.7336,
62.0647

 11.7523, 17.4293,
12.3691


 76.2607, 96.9195,
83.5061

 6.6463, 10.5410,
6.8700


 99.5154, 124.5181,
109.3915

 3.2862, 5.7591,
3.3037

127.0737,
156.9139, 140.1396

 1.3069, 2.6992,
1.2517

159.3009,
194.4911, 176.1688

 0.1884, 0.9768,
0.0217

196.5623,

 0.0000, 0.0000,

237.6342, 217.8978

0.0000

239.2232,
286.7276, 265.7449

■ 28.6640, 39.0624,
30.8400

■ 28.6640, 39.0624,
30.8400

■ 25.6682, 37.6126,
26.4743

■ 32.2258, 40.7957,
35.7032

■ 23.2047, 36.4261,
22.5875

■ 36.3787, 42.8220,
41.0764

■ 21.2408, 35.4875,
19.1637


■ 41.1499, 45.1560,
46.9750


■ 19.7391, 34.7777,
16.1853


■ 46.5641, 47.8102,
53.4127


■ 18.6561, 34.2747,
13.6332


■ 52.6446, 50.7964,
60.4031


 17.9355, 33.9500,
11.4866

 59.4134, 54.1257,
67.9589

 17.7175, 33.8530,
10.7830

 66.8917, 57.8086,
76.0927

 72.6280, 60.5812,
84.7009

 74.3345, 61.2638,
93.6871

Harmonies

Analogous

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



31.7084, 39.0624, 22.4965



28.6640, 39.0624, 30.8400



27.8054, 39.0624, 44.5127

Triad

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



28.6640, 39.0624, 30.8400



37.8128, 39.0624, 79.0881



46.3184, 39.0624, 28.1930

Complementary

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



28.6640, 39.0624, 30.8400



31.7096, 24.9053, 35.4850

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.



48.3303, 39.0624, 40.6115



28.6640, 39.0624, 30.8400



43.1316, 39.0624, 71.9050

Square

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



28.6640, 39.0624, 30.8400



32.7821, 39.0624, 74.7086



47.1121, 39.0624, 56.8594



41.8412, 39.0624, 21.2448

Rectangle

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



28.6640, 39.0624, 30.8400



28.5124, 39.0624, 55.5251



47.1121, 39.0624, 56.8594



47.3239, 39.0624, 31.7431

Sweetspot

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



28.6650, 39.0640, 30.8409



70.2010, 79.7100, 79.7778



34.1600, 42.0794, 22.8450



15.2496, 17.4805, 17.3036



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.



28.6650, 39.0640, 30.8409



47.2962, 68.5565, 49.1420



31.3876, 40.1530, 45.1778



9.0217, 10.1127, 10.2717



12.5408, 23.9172, 7.7695



0.4723, 0.8552, 0.4331

Inverse Universe

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



31.7096, 24.9053, 35.4850



53.6687, 38.8849, 58.8355



29.2973, 23.9403, 22.7821



9.2386, 9.1058, 10.6038



15.8749, 7.9237, 12.4939



0.5882, 0.2908, 0.5910

Previews

White Background



This preview shows how the XYZ color 28.6640, 39.0624, 30.8400 looks on a white background.

Color Contrast Check

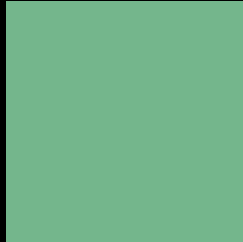
Large Text (above 18pt) WCAG AA × Fail

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 28.6640, 39.0624, 30.8400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

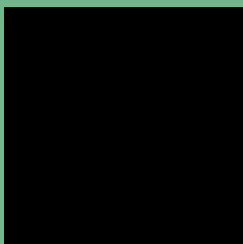
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

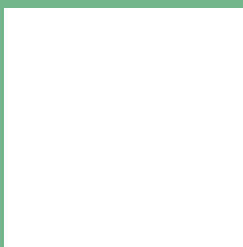
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6640, 39.0624, 30.8400

Background



This preview shows how black text looks on a background with the XYZ color 28.6640, 39.0624, 30.8400.



This preview shows how white text looks on a background with the XYZ color 28.6640, 39.0624,

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

28.6640, 39.0624, 30.8400

Protanopia

36.4125, 38.7959, 27.7595

Deuteranopia

39.3416, 38.6104, 32.1671



Tritanopia

33.2677, 38.8461, 53.8888

Trichromacy



Original Color

28.6640, 39.0624, 30.8400

Protanomaly

32.7140, 38.2512, 28.9516

Deuteranomaly

34.4557, 38.2516, 31.5539

Tritanomaly

31.4395, 38.9920, 44.3973

Monochromacy



Original Color

28.6640, 39.0624, 30.8400

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.3775, 35.2576, 34.4825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6640, 39.0624, 30.8400 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(116, 182, 140)` looks like.

```
.text, #text, p{  
    color:rgb(116, 182, 140)  
}
```

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(116, 182, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 182, 140) }
```

Border

The CSS property to change the border of an element to XYZ 28.6640, 39.0624, 30.8400 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(116, 182, 140) }
```


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

```
.border{ border-color:rgb(116, 182, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 182, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 182, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 182, 140);  
box-shadow:4px 4px 4px 4px rgb(116, 182,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6640, 39.0624, 30.8400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 182, 140) }
```

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

```
.background{ background-color: rgb(116,  
182, 140) }
```

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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