

Converting Colors

XYZ(28.7026, 38.3979, 34.4173)

Have a look what the booklet for
XYZ(28.7026, 38.3979, 34.4173)
contains.

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Color

**XYZ(28.6855, 38.3899,
34.3319)**

Conversions

Conversions Part 1

Format	Color
Hex	72B495
RGB	114, 180, 149
RGB Percent	45%, 71%, 58%
CMY	0.5529, 0.2941, 0.4157
CMYK	0.37, 0.00, 0.17, 0.29
HSL	152°, 31%, 58%
HSV	152°, 37%, 71%
XYZ	28.6855, 38.3899, 34.3319
YIQ	156.7320, -29.3850, -23.6330

Conversions

Conversions Part 2

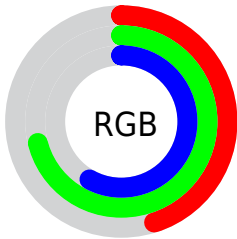
Format	Color
RYB	114, 157, 180
Decimal	7517333
CIELab	68.31, -28.01, 9.23
CIElCh	68, 29.488, 161.759
Yxy	38.3899, 0.2829, 0.3786
Android (android.graphics.Color)	4285707413 (0xFF72B495)
YUV	156.7320, -3.8119, -37.4760
Hunter-Lab	61.9596, -25.7889, 10.5190

Details

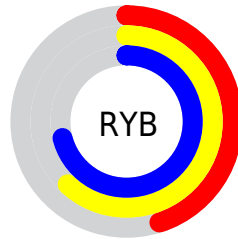
The XYZ color **28.6855, 38.3899, 34.3319** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.9518, 23.7831, 29.8015**, and the grayscale version is **31.9543, 33.6184, 36.6104**.

A 20% lighter version of the original color is **56.9234, 72.6275, 67.5182**, and **11.7806, 17.0847, 14.2321** is the 20% darker color. If you saturate the color by 10%, you get **25.9200, 37.0405, 30.8062**, and if you desaturate by 10%, it is **31.9629, 39.9996, 38.1391**.

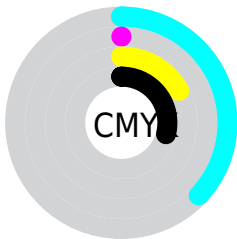
Distribution



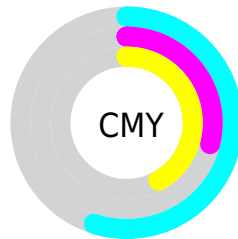
- Red (45%)
- Green (71%)
- Blue (58%)



- Red (45%)
- Yellow (62%)
- Blue (71%)



- Cyan (37%)
- Magenta (0%)
- Yellow (17%)
- Black (29%)




- Cyan (55%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6855, 38.3899, 34.3319 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 28.6855, 38.3899, 34.3319 by changing the saturation by 10% instead.


 28.6855, 38.3899,
34.3319


 28.6855, 38.3899,
34.3319


287.7492,
339.2896, 336.4237


 18.9861, 26.2854,
22.8693


 56.9781, 72.7054,
67.5893

 11.7642, 17.0373,
14.2926


 76.3019, 95.6852,
90.2211

 6.6544, 10.2611,
8.1834


 99.5647, 123.0588,
117.4130

 3.2913, 5.5724,
4.1231

127.1317,
155.2108, 149.5836

 1.3096, 2.5869,
1.6931

159.3683,
192.5255, 187.1515

 0.1904, 0.9201,
0.3560

196.6399,

 0.0000, 0.0000,

235.3873, 230.5350

0.0000

239.3117,
284.1805, 280.1529

■ 28.6855, 38.3899,
34.3319

■ 28.6855, 38.3899,
34.3319

■ 25.9200, 37.0405,
30.8062

■ 31.9629, 39.9996,
38.1391

■ 23.6351, 35.9322,
27.5526

■ 35.7749, 41.8782,
42.2316

■ 21.8006, 35.0507,
24.5649

■ 40.1468, 44.0394,
46.6165

■ 20.3818, 34.3782,
21.8359

■ 45.1011, 46.4949,
51.2998

■ 19.3381, 33.8940,
19.3576

■ 50.6592, 49.2556,
56.2872

■ 18.6145, 33.5697,
17.1211

■ 56.8413, 52.3318,
61.5844

■ 18.4082, 33.4785,
16.4267

■ 63.6667, 55.7332,
67.1969

■ 70.0398, 58.8951,
73.0779

■ 71.1658, 59.3455,
79.0073

Harmonies

Analogous

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



30.8865, 38.3899, 25.5501



28.6855, 38.3899, 34.3319



28.4646, 38.3899, 47.2017

Triad

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



28.6855, 38.3899, 34.3319



38.3288, 38.3899, 71.9800



43.5238, 38.3899, 27.0434

Complementary

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



28.6855, 38.3899, 34.3319



29.9518, 23.7831, 29.8015

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.



45.8940, 38.3899, 36.8271



28.6855, 38.3899, 34.3319



42.7298, 38.3899, 63.7937

Square

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



28.6855, 38.3899, 34.3319



33.7780, 38.3899, 70.9156



45.5918, 38.3899, 50.2796



39.3402, 38.3899, 21.9950

Rectangle

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



28.6855, 38.3899, 34.3319



29.4448, 38.3899, 56.6708



45.5918, 38.3899, 50.2796



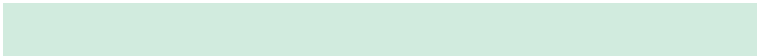
44.5744, 38.3899, 29.7889

Sweetspot

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



28.6866, 38.3915, 34.3328



69.0792, 78.0128, 80.8611



31.1961, 39.9610, 21.9891



14.7035, 16.7491, 17.2490



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.



28.6866, 38.3915, 34.3328



47.8874, 67.5933, 57.0410



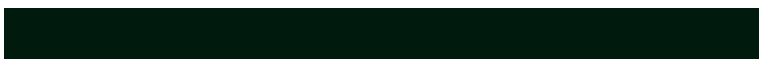
31.2790, 39.0745, 49.0755



8.5710, 9.5629, 10.0005



12.8815, 23.3786, 11.6445



0.4345, 0.7473, 0.5200

Inverse Universe

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



29.9518, 23.7831, 29.8015



50.5200, 37.2176, 47.6272



28.0029, 23.2033, 18.9228



8.6569, 8.5695, 9.6919



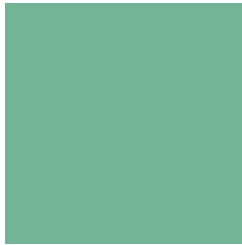
14.3022, 7.2384, 6.7514



0.4796, 0.2396, 0.3681

Previews

White Background



This preview shows how the XYZ color 28.6855, 38.3899, 34.3319 looks on a white background.

Color Contrast Check

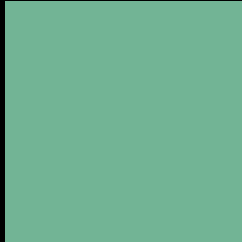
Large Text (above 18pt) WCAG AA × Fail

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 28.6855, 38.3899, 34.3319 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 28.6855, 38.3899, 34.3319

Background



This preview shows how black text looks on a background with the XYZ color 28.6855, 38.3899, 34.3319.



This preview shows how white text looks on a background with the XYZ color 28.6855, 38.3899,

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

28.6855, 38.3899, 34.3319

Protanopia

35.7932, 37.8619, 31.0128

Deuteranopia

38.5703, 37.8806, 35.4158



Tritanopia

32.6837, 38.5450, 53.8614

Trichromacy



Original Color

28.6855, 38.3899, 34.3319

Protanomaly

32.4345, 37.4692, 32.3109

Deuteranomaly

33.9834, 37.3780, 35.1293

Tritanomaly

31.1079, 38.4933, 45.8348

Monochromacy



Original Color

28.6855, 38.3899, 34.3319

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.2724, 34.9061, 35.7139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6855, 38.3899, 34.3319 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(114, 180, 149)` looks like.

```
.text, #text, p{  
    color:rgb(114, 180, 149)  
}
```

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(114, 180, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 180, 149) }
```

Border

The CSS property to change the border of an element to XYZ 28.6855, 38.3899, 34.3319 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(114, 180, 149) }
```


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

```
.border{ border-color:rgb(114, 180, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 180, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 180, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 180, 149);  
box-shadow:4px 4px 4px 4px rgb(114, 180,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6855, 38.3899, 34.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 180, 149) }
```

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

```
.background{ background-color: rgb(114,  
180, 149) }
```

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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