

Converting Colors

XYZ(40.3957, 49.7572, 28.1838)

Have a look what the booklet for
XYZ(40.3957, 49.7572, 28.1838)
contains.

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Color

**XYZ(40.2799, 49.6109,
28.2218)**

Conversions

Conversions Part 1

Format	Color
Hex	AAC481
RGB	170, 196, 129
RGB Percent	67%, 77%, 51%
CMY	0.3333, 0.2314, 0.4941
CMYK	0.13, 0.00, 0.34, 0.23
HSL	83°, 36%, 64%
HSV	83°, 34%, 77%
XYZ	40.2799, 49.6109, 28.2218
YIQ	180.5880, 6.0110, -26.3490

Conversions

Conversions Part 2

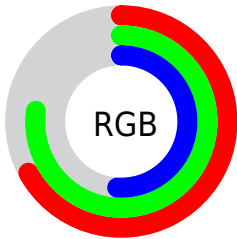
Format	Color
RYB	129, 196, 155
Decimal	11191425
CIELab	75.83, -20.25, 30.81
CIElCh	76, 36.869, 123.318
Yxy	49.6109, 0.3410, 0.4200
Android (android.graphics.Color)	4289381505 (0xFFAAC481)
YUV	180.5880, -25.4329, -9.2857
Hunter-Lab	70.4350, -21.1819, 25.5483

Details

The XYZ color **40.2799, 49.6109, 28.2218** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.3338, 26.6561, 55.7211**, and the grayscale version is **43.8302, 46.1128, 50.2169**.

A 20% lighter version of the original color is **74.9328, 89.7967, 57.6391**, and **18.4204, 23.6924, 10.9994** is the 20% darker color. If you saturate the color by 10%, you get **37.5032, 48.3174, 21.9312**, and if you desaturate by 10%, it is **43.4042, 51.0578, 35.8352**.

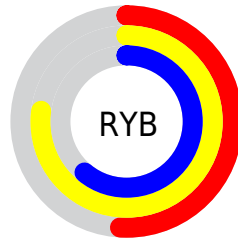
Distribution



Red (67%)

Green (77%)

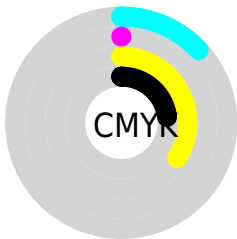
Blue (51%)



Red (51%)

Yellow (77%)

Blue (61%)

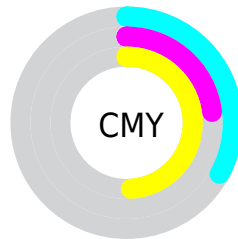


Cyan (13%)

Magenta (0%)

Yellow (34%)

Black (23%)



Cyan (33%)

Magenta (23%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2799, 49.6109, 28.2218 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 40.2799, 49.6109, 28.2218 by changing the saturation by 10% instead.

■ 40.2799, 49.6109,
28.2218

■ 40.2799, 49.6109,
28.2218

338.4161,
385.1424, 307.4705

■ 27.9420, 35.1043,
18.2524

■ 74.8712, 89.5981,
57.8657

■ 18.4222, 23.7433,
10.9601

■ 97.8553, 115.8475,
78.3773

■ 11.3550, 15.1433,
5.9261

■ 125.1189,
146.7800, 103.2401

■ 6.3752, 8.9200,
2.7322

157.0273,
182.7800, 132.8726

■ 3.1174, 4.6890,
0.9596

193.9458,
224.2318, 167.6934

■ 1.2161, 2.0660,
0.0000

236.2399,

■ 0.1190, 0.6454,

271.5199, 208.1209

0.0000

284.2749,
325.0286, 254.5737

■ 0.0000, 0.0000,
0.0000

■ 40.2799, 49.6109,
28.2218

■ 40.2799, 49.6109,
28.2218

■ 37.5032, 48.3174,
21.9312

■ 43.4042, 51.0578,
35.8352

■ 35.0544, 47.1642,
16.8846

■ 46.8872, 52.6577,
44.8378

■ 32.9175, 46.1463,
12.9998


■ 50.7438, 54.4184,
55.2953


■ 31.0728, 45.2558,
10.1835

■ 54.9871, 56.3453,
67.2684


■ 29.4984, 44.4835,
8.3278


■ 59.6294, 58.4434,
80.8142


 28.1675, 43.8188,
7.3022

 64.6823, 60.7177,
95.9870

 27.4773, 43.4702,
6.9424

 68.2997, 62.4298,
103.0581

 70.7002, 63.6673,
103.1705

 73.2073, 64.9598,
103.2878

Harmonies

Analogous

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



46.3951, 49.6109, 24.4237



40.2799, 49.6109, 28.2218



36.3328, 49.6109, 38.7827

Triad

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



40.2799, 49.6109, 28.2218



41.4809, 49.6109, 95.2388



61.5694, 49.6109, 51.8630

Complementary

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



40.2799, 49.6109, 28.2218



31.3338, 26.6561, 55.7211

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.



59.9343, 49.6109, 72.7968



40.2799, 49.6109, 28.2218



47.9204, 49.6109, 101.1286

Square

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



40.2799, 49.6109, 28.2218



36.9776, 49.6109, 77.5107



54.7681, 49.6109, 92.0865



59.0438, 49.6109, 35.8277

Rectangle

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



40.2799, 49.6109, 28.2218



35.2399, 49.6109, 49.7448



54.7681, 49.6109, 92.0865



61.4889, 49.6109, 58.5289

Sweetspot

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



40.2812, 49.6131, 28.2229



87.6649, 96.6361, 88.5275



38.3980, 36.6599, 25.8219



18.5540, 20.5882, 18.3837



0.0000, 0.0000, 0.0000



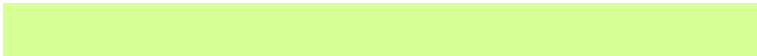
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.2812, 49.6131, 28.2229



69.1564, 88.0963, 42.4039



33.9905, 46.3701, 27.9285



10.5227, 11.5569, 10.7380



17.7531, 27.9809, 4.4652



0.8423, 1.2478, 0.1964

Inverse Universe

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



31.3338, 26.6561, 55.7211



50.5211, 40.2565, 99.7153



38.6002, 30.4020, 56.0611



9.8897, 9.9343, 12.6811



8.4109, 3.5964, 33.8075



0.4406, 0.1952, 1.4643

Previews

White Background



This preview shows how the XYZ color 40.2799, 49.6109, 28.2218 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 40.2799, 49.6109, 28.2218 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 40.2799, 49.6109, 28.2218

Background



This preview shows how black text looks on a background with the XYZ color 40.2799, 49.6109, 28.2218.



This preview shows how white text looks on a background with the XYZ color 40.2799, 49.6109,

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

40.2799, 49.6109, 28.2218

Protanopia

45.6177, 49.1550, 26.4856

Deuteranopia

50.4779, 49.4632, 29.0772



Tritanopia

47.2534, 49.5082, 62.9426

Trichromacy



Original Color

40.2799, 49.6109, 28.2218

Protanomaly

43.4146, 49.2804, 26.9625

Deuteranomaly

46.1424, 49.0604, 28.8674

Tritanomaly

44.0558, 49.1522, 47.7228

Monochromacy



Original Color

40.2799, 49.6109, 28.2218

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.2120, 47.0736, 41.0437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2799, 49.6109, 28.2218 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(170, 196, 129)` looks like.

```
.text, #text, p{  
    color:rgb(170, 196, 129)  
}
```

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(170, 196, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 196, 129) }
```

Border

The CSS property to change the border of an element to XYZ 40.2799, 49.6109, 28.2218 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(170, 196, 129) }
```


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

```
.border{ border-color:rgb(170, 196, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 196, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 196, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 196, 129);  
box-shadow:4px 4px 4px 4px rgb(170, 196,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2799, 49.6109, 28.2218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 196, 129) }
```

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

```
.background{ background-color: rgb(170,  
196, 129) }
```

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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