

Converting Colors

XYZ(42.0841, 51.2301, 29.0947)

Have a look what the booklet for
XYZ(42.0841, 51.2301, 29.0947)
contains.

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Color

**XYZ(41.9700, 51.1408,
29.1318)**

Conversions

Conversions Part 1

Format	Color
Hex	AFC683
RGB	175, 198, 131
RGB Percent	69%, 78%, 51%
CMY	0.3137, 0.2235, 0.4863
CMYK	0.12, 0.00, 0.34, 0.22
HSL	81°, 37%, 65%
HSV	81°, 34%, 78%
XYZ	41.9700, 51.1408, 29.1318
YIQ	183.4850, 7.7990, -25.7130

Conversions

Conversions Part 2

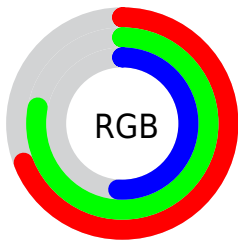
Format	Color
RYB	131, 198, 154
Decimal	11519619
CIELab	76.76, -19.10, 31.06
CIELCh	77, 36.466, 121.583
Yxy	51.1408, 0.3433, 0.4184
Android (android.graphics.Color)	4289709699 (0xFFAFC683)
YUV	183.4850, -25.8751, -7.4413
Hunter-Lab	71.5128, -20.3879, 25.9063

Details

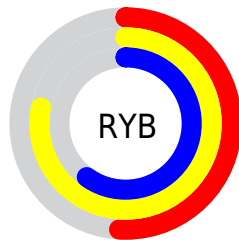
The XYZ color **41.9700, 51.1408, 29.1318** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.6378, 27.1812, 57.0079**, and the grayscale version is **45.4121, 47.7771, 52.0293**.

A 20% lighter version of the original color is **77.4720, 92.0117, 59.5758**, and **19.4845, 24.6782, 11.5210** is the 20% darker color. If you saturate the color by 10%, you get **39.2670, 49.8895, 22.6572**, and if you desaturate by 10%, it is **45.0089, 52.5388, 36.9629**.

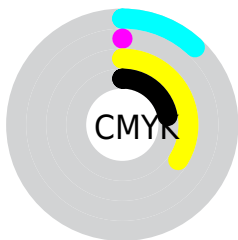
Distribution



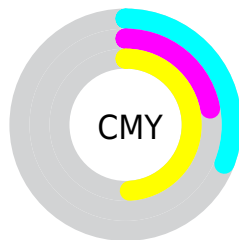
- Red (69%)
- Green (78%)
- Blue (51%)



- Red (51%)
- Yellow (78%)
- Blue (60%)



- Cyan (12%)
- Magenta (0%)
- Yellow (34%)
- Black (22%)



- Cyan (31%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9700, 51.1408, 29.1318 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 41.9700, 51.1408, 29.1318 by changing the saturation by 10% instead.

■ 41.9700, 51.1408,
29.1318

■ 41.9700, 51.1408,
29.1318

345.3523,
391.1106, 311.9167

■ 29.2688, 36.3207,
18.9341

■ 77.4197, 91.8629,
59.3311

■ 19.4296, 24.6820,
11.4463

■ 100.8989,
118.5336, 80.1698

■ 12.0869, 15.8403,
6.2500

■ 128.7014,
149.9233, 105.3926

■ 6.8755, 9.4112,
2.9264

161.1927,
186.4164, 135.4180

■ 3.4300, 5.0103,
1.0572

198.7381,
228.3973, 170.6646

■ 1.3850, 2.2533,
0.0000

241.7029,

■ 0.2455, 0.7488,

276.2504, 211.5509

0.0000

290.4525,
330.3600, 258.4954

■ 0.0000, 0.0000,
0.0000

■ 41.9700, 51.1408,
29.1318

■ 41.9700, 51.1408,
29.1318

■ 39.2670, 49.8895,
22.6572

■ 45.0089, 52.5388,
36.9629

■ 36.8803, 48.7717,
17.4585

■ 48.3944, 54.0828,
46.2183

■ 34.7939, 47.7826,
13.4519


■ 52.1414, 55.7805,
56.9652


■ 32.9885, 46.9144,
10.5420


■ 56.2628, 57.6371,
69.2657

■ 31.4420, 46.1581,
8.6187


■ 60.7707, 59.6578,
83.1782


 30.1280, 45.5031,
7.5493

 65.6766, 61.8471,
98.7582

 29.4046, 45.1379,
7.1627

 68.5497, 63.2329,
103.1999

 70.6815, 64.3319,
103.2997

 72.8984, 65.4747,
103.4035

Harmonies

Analogous

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



48.2412, 51.1408, 25.6289



41.9700, 51.1408, 29.1318



37.8243, 51.1408, 39.4542

Triad

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



41.9700, 51.1408, 29.1318



42.5498, 51.1408, 96.3480



63.1504, 51.1408, 54.6378

Complementary

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



41.9700, 51.1408, 29.1318



31.6378, 27.1812, 57.0079

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.



61.2676, 51.1408, 75.8461



41.9700, 51.1408, 29.1318



48.9762, 51.1408, 103.0926

Square

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



41.9700, 51.1408, 29.1318



38.1361, 51.1408, 78.1082



55.9110, 51.1408, 94.8390



60.8398, 51.1408, 38.0230

Rectangle

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



41.9700, 51.1408, 29.1318



36.6033, 51.1408, 50.2928



55.9110, 51.1408, 94.8390



62.9861, 51.1408, 61.4465

Sweetspot

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



41.9713, 51.1431, 29.1329



88.0648, 96.8423, 88.5462



38.8331, 36.5378, 26.4792



18.6510, 20.6382, 18.3882



0.0000, 0.0000, 0.0000



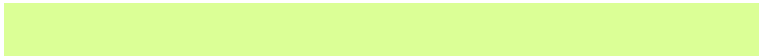
20.3446, 21.4041, 23.3091

Same Dimension

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



41.9713, 51.1431, 29.1329



70.5462, 88.8128, 42.4689



35.4764, 47.7948, 28.8289



11.1567, 12.2277, 11.3349



19.2163, 29.4017, 4.6623



0.9854, 1.4311, 0.2243

Inverse Universe

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



31.6378, 27.1812, 57.0079



49.3621, 39.6590, 99.6610



38.7639, 30.8549, 57.3414



10.3943, 10.4615, 13.3889



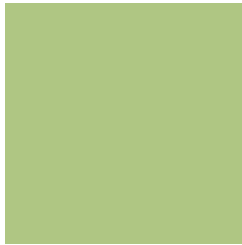
8.2615, 3.4932, 34.9832



0.4691, 0.2056, 1.6601

Previews

White Background



This preview shows how the XYZ color 41.9700, 51.1408, 29.1318 looks on a white background.

Color Contrast Check

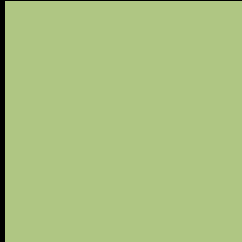
Large Text (above 18pt) WCAG AA × Fail

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 41.9700, 51.1408, 29.1318 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

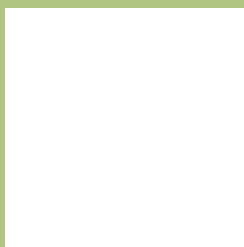
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9700, 51.1408, 29.1318

Background



This preview shows how black text looks on a background with the XYZ color 41.9700, 51.1408, 29.1318.



This preview shows how white text looks on a background with the XYZ color 41.9700, 51.1408,

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

41.9700, 51.1408, 29.1318

Protanopia

47.2052, 50.9066, 27.4167

Deuteranopia

51.9484, 50.8046, 29.9900



Tritanopia

49.1043, 51.0691, 64.3960

Trichromacy



Original Color

41.9700, 51.1408, 29.1318

Protanomaly

44.9941, 50.7271, 27.8419

Deuteranomaly

47.8055, 50.5273, 29.7874

Tritanomaly

45.8415, 50.6974, 48.9644

Monochromacy



Original Color

41.9700, 51.1408, 29.1318

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

43.5065, 48.3501, 42.1614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9700, 51.1408, 29.1318 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(175, 198, 131)` looks like.

```
.text, #text, p{  
    color:rgb(175, 198, 131)  
}
```

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(175, 198, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 198, 131) }
```

Border

The CSS property to change the border of an element to XYZ 41.9700, 51.1408, 29.1318 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(175, 198, 131) }
```


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

```
.border{ border-color:rgb(175, 198, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 198, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 198, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 198, 131); box-shadow:4px 4px 4px 4px rgb(175, 198, 131) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9700, 51.1408, 29.1318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 198, 131) }
```

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

```
.background{ background-color: rgb(175,  
198, 131) }
```

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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