

Converting Colors

XYZ(38.7713, 48.1679, 28.0227)

Have a look what the booklet for
XYZ(38.7713, 48.1679, 28.0227)
contains.

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Color

**XYZ(38.7713, 48.1679,
28.0227)**

Conversions

Conversions Part 1

Format	Color
Hex	A5C281
RGB	165, 194, 129
RGB Percent	65%, 76%, 51%
CMY	0.3529, 0.2392, 0.4941
CMYK	0.15, 0.00, 0.34, 0.24
HSL	87°, 35%, 63%
HSV	87°, 34%, 76%
XYZ	38.7713, 48.1679, 28.0227
YIQ	177.9190, 3.5810, -26.3630

Conversions

Conversions Part 2

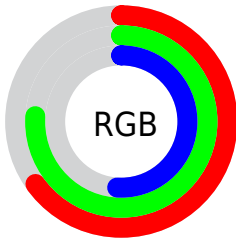
Format	Color
RYB	129, 194, 158
Decimal	10863233
CIELab	74.93, -21.12, 29.56
CIELCh	75, 36.332, 125.552
Yxy	48.1679, 0.3373, 0.4190
Android (android.graphics.Color)	4289053313 (0xFFA5C281)
YUV	177.9190, -24.1171, -11.3300
Hunter-Lab	69.4031, -21.7383, 24.6428

Details

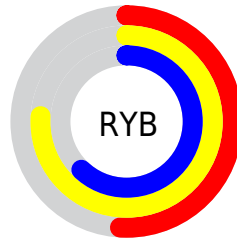
The XYZ color **38.7713, 48.1679, 28.0227** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.6903, 26.8659, 54.5570**, and the grayscale version is **42.3974, 44.6053, 48.5752**.

A 20% lighter version of the original color is **72.7595, 87.7439, 57.3574**, and **17.4715, 22.7654, 10.8705** is the 20% darker color. If you saturate the color by 10%, you get **35.8626, 46.8050, 21.7824**, and if you desaturate by 10%, it is **42.0492, 49.6958, 35.5602**.

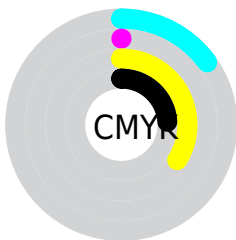
Distribution



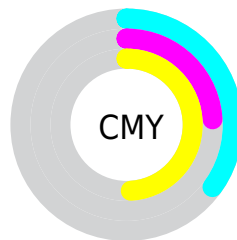
- Red (65%)
- Green (76%)
- Blue (51%)



- Red (51%)
- Yellow (76%)
- Blue (62%)



- Cyan (15%)
- Magenta (0%)
- Yellow (34%)
- Black (24%)



- Cyan (35%)
- Magenta (24%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7713, 48.1679, 28.0227 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 38.7713, 48.1679, 28.0227 by changing the saturation by 10% instead.

■ 38.7713, 48.1679,
28.0227

■ 38.7713, 48.1679,
28.0227

332.1411,
379.4573, 306.4907

■ 26.7618, 33.9599,
18.1036

■ 72.5851, 87.4543,
57.5442

■ 17.5301, 22.8628,
10.8542

■ 95.1201, 113.3015,
77.9837

■ 10.7108, 14.4922,
5.8559

■ 121.8944,
143.7972, 102.7670

■ 5.9385, 8.4638,
2.6903

153.2732,
179.3259, 132.3128

■ 2.8481, 4.3931,
0.9385

189.6219,
220.2718, 167.0395

■ 1.0739, 1.8958,
0.0000

231.3059,

■ 0.0031, 0.5459,

267.0194, 207.3657

0.0000

278.6905,
319.9531, 253.7099

■ 0.0000, 0.0000,
0.0000

■ 38.7713, 48.1679,
28.0227

■ 38.7713, 48.1679,
28.0227

■ 35.8626, 46.8050,
21.7824

■ 42.0492, 49.6958,
35.5602

■ 33.3031, 45.5940,
16.7630

■ 45.7078, 51.3887,
44.4595

■ 31.0764, 44.5296,
12.8849


■ 49.7625, 53.2546,
54.7843


■ 29.1627, 43.6037,
10.0577


■ 54.2266, 55.2992,
66.5935


■ 27.5397, 42.8069,
8.1775


■ 59.1128, 57.5277,
79.9429


 26.1809, 42.1284,
7.1191

 64.4333, 59.9453,
94.8850

 25.4093, 41.7387,
6.7172

 68.5801, 61.9090,
102.9428

 71.3573, 63.3407,
103.0728

 74.2734, 64.8440,
103.2093

Harmonies

Analogous

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



44.5615, 48.1679, 23.8823



38.7713, 48.1679, 28.0227



35.1426, 48.1679, 38.7568

Triad

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



38.7713, 48.1679, 28.0227



40.7124, 48.1679, 93.1349



59.6593, 48.1679, 48.9977

Complementary

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



38.7713, 48.1679, 28.0227



31.6903, 26.8659, 54.5570

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.



58.3778, 48.1679, 69.0313



38.7713, 48.1679, 28.0227



47.0249, 48.1679, 97.7529

Square

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



38.7713, 48.1679, 28.0227



36.1853, 48.1679, 76.6323



53.5910, 48.1679, 88.0573



56.9414, 48.1679, 33.9743

Rectangle

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



38.7713, 48.1679, 28.0227



34.2257, 48.1679, 49.6690



53.5910, 48.1679, 88.0573



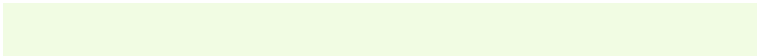
59.6847, 48.1679, 55.3259

Sweetspot

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



38.7725, 48.1700, 28.0237



85.1844, 94.1946, 86.5132



38.2976, 37.2264, 25.9364



18.4293, 20.5239, 18.3779



0.0000, 0.0000, 0.0000



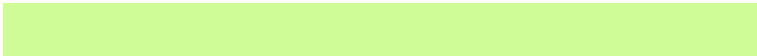
20.3446, 21.4041, 23.3091

Same Dimension

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



38.7725, 48.1700, 28.0237



66.4181, 85.4755, 42.4765



32.9813, 45.1845, 27.7527



10.4658, 11.5276, 10.7353



16.8006, 27.4899, 4.4206



0.8042, 1.2281, 0.1947

Inverse Universe

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



31.6903, 26.8659, 54.5570



51.6868, 41.1482, 97.6880



38.7417, 30.5011, 54.8870



9.9454, 9.9630, 12.6837



9.0510, 3.9264, 33.8374



0.4702, 0.2105, 1.4657

Previews

White Background



This preview shows how the XYZ color 38.7713, 48.1679, 28.0227 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 38.7713, 48.1679, 28.0227 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 38.7713, 48.1679, 28.0227

Background



This preview shows how black text looks on a background with the XYZ color 38.7713, 48.1679, 28.0227.



This preview shows how white text looks on a background with the XYZ color 38.7713, 48.1679,

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

38.7713, 48.1679, 28.0227

Protanopia

44.3953, 47.9038, 26.3085

Deuteranopia

48.6724, 47.6495, 28.8223



Tritanopia

45.4535, 47.9820, 61.5094

Trichromacy



Original Color

38.7713, 48.1679, 28.0227

Protanomaly

42.2426, 48.0376, 26.7844

Deuteranomaly

44.6515, 47.6750, 28.6786

Tritanomaly

42.4178, 47.6804, 47.0120

Monochromacy



Original Color

38.7713, 48.1679, 28.0227

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.7192, 45.7033, 39.9332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7713, 48.1679, 28.0227 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(165, 194, 129)` looks like.

```
.text, #text, p{  
    color:rgb(165, 194, 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(165, 194, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 194, 129) }
```

Border

The CSS property to change the border of an element to XYZ 38.7713, 48.1679, 28.0227 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(165, 194, 129) }
```


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

```
.border{ border-color:rgb(165, 194, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 194, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 194, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 194, 129);  
box-shadow:4px 4px 4px 4px rgb(165, 194,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7713, 48.1679, 28.0227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 194, 129) }
```

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

```
.background{ background-color: rgb(165,  
194, 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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