

Converting Colors

XYZ(38.2900, 41.1454, 41.2405)

Have a look what the booklet for
XYZ(38.2900, 41.1454, 41.2405)
contains.

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Color

**XYZ(38.2220, 41.1135,
41.0431)**

Conversions

Conversions Part 1

Format	Color
Hex	AAADA4
RGB	170, 173, 164
RGB Percent	67%, 68%, 64%
CMY	0.3333, 0.3216, 0.3569
CMYK	0.02, 0.00, 0.05, 0.32
HSL	80°, 5%, 66%
HSV	80°, 5%, 68%
XYZ	38.2220, 41.1135, 41.0431
YIQ	171.0770, 1.1010, -3.4350

Conversions

Conversions Part 2

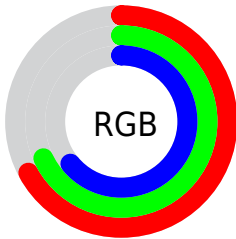
Format	Color
RYB	164, 173, 167
Decimal	11185572
CIELab	70.26, -2.73, 4.24
CIELCh	70, 5.046, 122.783
Yxy	41.1135, 0.3175, 0.3415
Android (android.graphics.Color)	4289375652 (0xFFAAADA4)
YUV	171.0770, -3.4890, -0.9445
Hunter-Lab	64.1198, -5.8053, 6.9323

Details

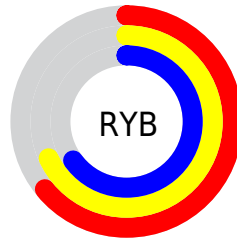
The XYZ color **38.2220, 41.1135, 41.0431** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7561, 37.7846, 44.8931**, and the grayscale version is **38.7649, 40.7837, 44.4134**.

A 20% lighter version of the original color is **71.5809, 76.6088, 78.0321**, and **17.2332, 18.6961, 18.0297** is the 20% darker color. If you saturate the color by 10%, you get **35.5449, 39.9030, 33.3095**, and if you desaturate by 10%, it is **41.1687, 42.4408, 49.9006**.

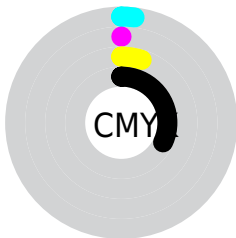
Distribution



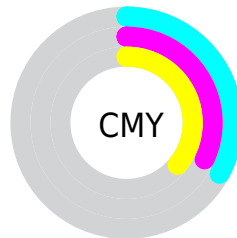
- Red (67%)
- Green (68%)
- Blue (64%)



- Red (64%)
- Yellow (68%)
- Blue (65%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (32%)



- Cyan (33%)
- Magenta (32%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2220, 41.1135, 41.0431 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 38.2220, 41.1135, 41.0431 by changing the saturation by 10% instead.

■ 38.2220, 41.1135,
41.0431

■ 38.2220, 41.1135,
41.0431

329.8357,
350.7948, 366.1827

■ 26.3330, 28.4078,
28.0328

■ 71.7500, 76.8562,
78.0037

■ 17.2069, 18.6333,
18.1111

■ 94.1197, 100.6619,
102.7911

■ 10.4784, 11.4056,
10.8595

120.7137,
128.9364, 132.3413

■ 5.7819, 6.3403,
5.8595

151.8974,
162.0641, 167.0727

■ 2.7523, 3.0531,
2.6924

188.0361,
200.4294, 207.4041

■ 1.0242, 1.1595,
0.9396

229.4951,

■ 0.0000, 0.0283,

244.4167, 253.7538

0.0000

276.6399,
294.4103, 306.5405

■ 0.0000, 0.0000,
0.0000

■ 38.2220, 41.1135,
41.0431

■ 38.2220, 41.1135,
41.0431

■ 35.5449, 39.9030,
33.3095

■ 41.1687, 42.4408,
49.9006

■ 33.1248, 38.8003,
26.6520

■ 44.3904, 43.8832,
59.9215

■ 30.9530, 37.8030,
21.0237

■ 47.8964, 45.4458,
71.1471

■ 29.0191, 36.9069,
16.3730

■ 51.6947, 47.1318,
83.6155

■ 27.3116, 36.1075,
12.6439

■ 55.7929, 48.9445,
97.3634

■ 25.8180, 35.3995,
9.7746

■ 58.0674, 50.0343,
101.2048

■ 24.5246, 34.7773,
7.6958

■ 59.6849, 50.8682,
101.2805

■ 23.4152, 34.2346,
6.3277

■ 61.3617, 51.7326,
101.3590

■ 22.4703, 33.7632,
5.5709

■ 63.0984, 52.6279,
101.4403

Harmonies

Analogous

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



38.9999, 41.1135, 40.3670



38.2220, 41.1135, 41.0431



37.6793, 41.1135, 42.7138

Triad

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



38.2220, 41.1135, 41.0431



38.3540, 41.1135, 48.9411



40.6879, 41.1135, 44.5447

Complementary

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



38.2220, 41.1135, 41.0431



36.7561, 37.7846, 44.8931

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.



40.5091, 41.1135, 46.8821



38.2220, 41.1135, 41.0431



39.1545, 41.1135, 49.4727

Square

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



38.2220, 41.1135, 41.0431



37.7548, 41.1135, 47.2784



39.9450, 41.1135, 48.7067



40.4301, 41.1135, 42.3435

Rectangle

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



38.2220, 41.1135, 41.0431



37.5199, 41.1135, 44.1957



39.9450, 41.1135, 48.7067



40.6769, 41.1135, 45.3405

Sweetspot

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



38.2231, 41.1153, 41.0440



70.0715, 74.3618, 78.3092



37.7545, 39.2033, 40.6996



15.2409, 16.1662, 17.0564



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



38.2231, 41.1153, 41.0440



68.0009, 73.4280, 72.1750



37.2669, 40.6223, 40.9992



8.5723, 9.2726, 9.0502



16.2637, 24.6813, 3.9068



0.5073, 0.7149, 0.1112

Inverse Universe

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



36.7561, 37.7846, 44.8931



64.9371, 66.4721, 80.2136



37.7234, 38.2832, 44.9384



8.1601, 8.3367, 10.1318



6.8657, 2.8992, 29.2423



0.2500, 0.1111, 0.8162

Previews

White Background



This preview shows how the XYZ color 38.2220, 41.1135, 41.0431 looks on a white background.

Color Contrast Check

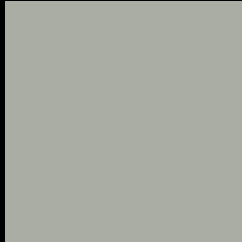
Large Text (above 18pt) WCAG AA × Fail

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 38.2220, 41.1135, 41.0431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

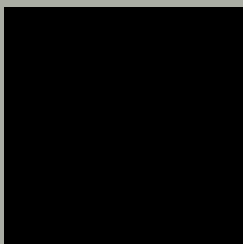
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

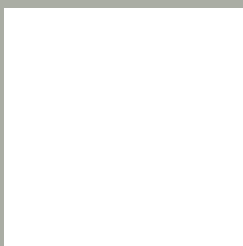
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2220, 41.1135, 41.0431

Background



This preview shows how black text looks on a background with the XYZ color 38.2220, 41.1135, 41.0431.



This preview shows how white text looks on a background with the XYZ color 38.2220, 41.1135,

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

38.2220, 41.1135, 41.0431

Protanopia

39.3052, 41.1173, 40.5152

Deuteranopia

41.9136, 41.0654, 41.3146



Tritanopia

40.2600, 41.0944, 51.1575

Trichromacy



Original Color

38.2220, 41.1135, 41.0431

Protanomaly

38.8189, 41.1481, 40.5467

Deuteranomaly

40.5079, 41.1598, 41.4070

Tritanomaly

39.5120, 41.0708, 47.4399

Monochromacy



Original Color

38.2220, 41.1135, 41.0431

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.6150, 40.9901, 42.9224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2220, 41.1135, 41.0431 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, 173, 164)` looks like.

```
.text, #text, p{  
    color:rgb(170, 173, 164)  
}
```

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, 173, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 173, 164) }
```

Border

The CSS property to change the border of an element to XYZ 38.2220, 41.1135, 41.0431 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, 173, 164) }
```


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

```
.border{ border-color:rgb(170, 173, 164) }
```

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

Here you see how a box with a 4 pixel rgb(170, 173, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 173, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 173, 164);  
box-shadow:4px 4px 4px 4px rgb(170, 173,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2220, 41.1135, 41.0431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 173, 164) }
```

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

```
.background{ background-color: rgb(170,  
173, 164) }
```

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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