

Converting Colors

XYZ(38.2258, 36.7957, 18.6072)

Have a look what the booklet for
XYZ(38.2258, 36.7957, 18.6072)
contains.

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Color

**XYZ(38.1423, 36.7627,
18.7213)**

Conversions

Conversions Part 1

Format	Color
Hex	C89B6A
RGB	200, 155, 106
RGB Percent	78%, 61%, 42%
CMY	0.2157, 0.3921, 0.5843
CMYK	0.00, 0.22, 0.47, 0.22
HSL	31°, 46%, 60%
HSV	31°, 47%, 78%
XYZ	38.1423, 36.7627, 18.7213
YIQ	162.8690, 42.5490, -5.6990

Conversions

Conversions Part 2

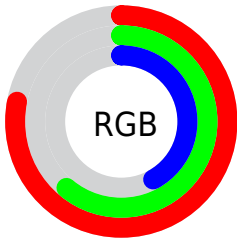
Format	Color
R_{YB}	192, 200, 106
Decimal	13146986
CIE _{Lab}	67.10, 10.62, 32.06
CIE _{LCh}	67, 33.773, 71.676
Yxy	36.7627, 0.4074, 0.3927
Android (android.graphics.Color)	4291337066 (0xFFC89B6A)
YUV	162.8690, -28.0364, 32.5639
Hunter-Lab	60.6323, 6.1836, 24.1357

Details

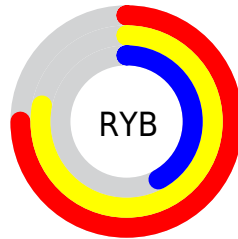
The XYZ color **38.1423, 36.7627, 18.7213** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.4353, 29.3663, 58.8657**, and the grayscale version is **34.8658, 36.6815, 39.9462**.

A 20% lighter version of the original color is **70.2120, 69.3296, 42.0291**, and **17.2156, 16.1354, 6.2101** is the 20% darker color. If you saturate the color by 10%, you get **35.6907, 33.3343, 13.3575**, and if you desaturate by 10%, it is **40.9646, 40.5443, 25.4060**.

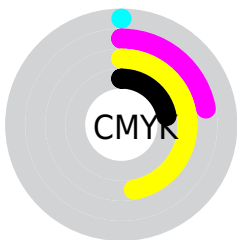
Distribution



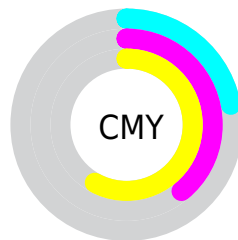
- Red (78%)
- Green (61%)
- Blue (42%)



- Red (75%)
- Yellow (78%)
- Blue (42%)



- Cyan (0%)
- Magenta (22%)
- Yellow (47%)
- Black (22%)



- Cyan (22%)
- Magenta (39%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1423, 36.7627, 18.7213 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 38.1423, 36.7627, 18.7213 by changing the saturation by 10% instead.

■ 38.1423, 36.7627,
18.7213

■ 38.1423, 36.7627,
18.7213

329.5003,
332.2820, 257.2771

■ 26.2709, 25.0238,
11.2943

■ 71.6287, 70.2077,
42.0930

■ 17.1601, 16.0948,
6.1485

■ 93.9744, 92.6825,
58.8749

■ 10.4447, 9.5913,
2.8653

■ 120.5421,
119.5049, 79.6120

■ 5.7593, 5.1288,
1.0263

■ 151.6974,
151.0590, 104.7231

■ 2.7386, 2.3230,
0.0000

187.8055,
187.7294, 134.6266

■ 1.0171, 0.7859,
0.0000

229.2318,

■ 0.0000, 0.0000,

229.9005, 169.7411

0.0000

276.3416,
277.9565, 210.4850

■ 38.1423, 36.7627,
18.7213

■ 38.1423, 36.7627,
18.7213

■ 35.6907, 33.3343,
13.3575

■ 40.9646, 40.5443,
25.4060

■ 33.5870, 30.2412,
9.2214

■ 44.1733, 44.6857,
33.4918

■ 31.8099, 27.4713,
6.2109

■ 47.7860, 49.1997,
43.0551

■ 30.3336, 25.0094,
4.2059

■ 51.8186, 54.0969,
54.1659

■ 29.1243, 22.8367,
3.0453

■ 56.2860, 59.3874,
66.8899

■ 28.7964, 22.2334,
2.7737

■ 61.2022, 65.0807,
81.2888

■ 66.5806, 71.1862,
97.4212

■ 70.6115, 76.9837,
105.7455

■ 73.3739, 82.5085,
106.6663

Harmonies

Analogous

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



42.8565, 36.7627, 24.0025



38.1423, 36.7627, 18.7213



32.9795, 36.7627, 18.2140

Triad

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



38.1423, 36.7627, 18.7213



26.1287, 36.7627, 46.0346



41.9345, 36.7627, 65.1123

Complementary

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



38.1423, 36.7627, 18.7213



27.4353, 29.3663, 58.8657

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.



36.9805, 36.7627, 74.6413



38.1423, 36.7627, 18.7213



28.0671, 36.7627, 61.9543

Square

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



38.1423, 36.7627, 18.7213



26.3738, 36.7627, 31.7721



31.9256, 36.7627, 73.3616



45.1895, 36.7627, 49.6036

Rectangle

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



38.1423, 36.7627, 18.7213



30.0044, 36.7627, 20.4477



31.9256, 36.7627, 73.3616



40.3933, 36.7627, 69.2743

Sweetspot

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



38.1432, 36.7645, 18.7220



84.6145, 87.4878, 79.6523



34.5948, 24.8362, 32.4339



17.7953, 18.3392, 16.1899



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.



38.1432, 36.7645, 18.7220



61.8710, 57.8247, 23.2880



46.6589, 54.4138, 21.6799



11.0837, 11.5365, 11.2053



18.4001, 14.3173, 1.7937



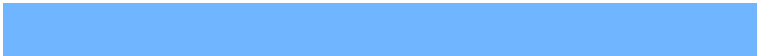
0.9435, 0.8224, 0.1090

Inverse Universe

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



27.4353, 29.3663, 58.8657



41.1910, 43.5447, 100.8417



21.7115, 17.6397, 56.9039



10.4685, 11.1111, 13.5104



9.3617, 8.1173, 35.8177



0.5157, 0.5292, 1.7201

Previews

White Background



This preview shows how the XYZ color 38.1423, 36.7627, 18.7213 looks on a white background.

Color Contrast Check

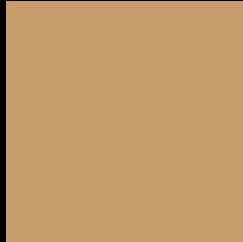
Large Text (above 18pt) WCAG AA × Fail

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 38.1423, 36.7627, 18.7213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

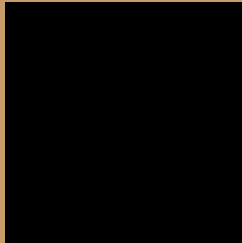
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1423, 36.7627, 18.7213

Background



This preview shows how black text looks on a background with the XYZ color 38.1423, 36.7627, 18.7213.



This preview shows how white text looks on a background with the XYZ color 38.1423, 36.7627,

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

38.1423, 36.7627, 18.7213

Protanopia

34.1672, 37.0022, 19.8093

Deuteranopia

37.5159, 36.6879, 18.7398



Tritanopia

42.1119, 36.6970, 38.1214

Trichromacy



Original Color

38.1423, 36.7627, 18.7213

Protanomaly

35.4592, 36.8867, 19.4383

Deuteranomaly

37.7787, 36.8233, 18.7521

Tritanomaly

40.4288, 36.7232, 29.7684

Monochromacy



Original Color

38.1423, 36.7627, 18.7213

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.3578, 36.3247, 30.7390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1423, 36.7627, 18.7213 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(200, 155, 106)` looks like.

```
.text, #text, p{  
    color:rgb(200, 155, 106)  
}
```

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(200, 155, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 155, 106) }
```

Border

The CSS property to change the border of an element to XYZ 38.1423, 36.7627, 18.7213 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(200, 155, 106) }
```


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

```
.border{ border-color:rgb(200, 155, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 155, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 155, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 155, 106);  
box-shadow:4px 4px 4px 4px rgb(200, 155,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1423, 36.7627, 18.7213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 155, 106) }
```

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

```
.background{ background-color: rgb(200,  
155, 106) }
```

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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