

Converting Colors

XYZ(36.5894, 34.0354, 21.7214)

Have a look what the booklet for
XYZ(36.5894, 34.0354, 21.7214)
contains.

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Color

**XYZ(36.4687, 33.9112,
21.7629)**

Conversions

Conversions Part 1

Format	Color
Hex	C49376
RGB	196, 147, 118
RGB Percent	77%, 58%, 46%
CMY	0.2314, 0.4235, 0.5373
CMYK	0.00, 0.25, 0.40, 0.23
HSL	22°, 40%, 62%
HSV	22°, 40%, 77%
XYZ	36.4687, 33.9112, 21.7629
YIQ	158.3450, 38.5130, 1.3690

Conversions

Conversions Part 2

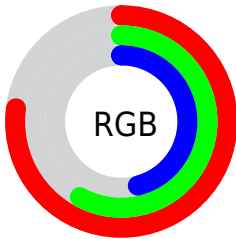
Format	Color
RYB	196, 164, 118
Decimal	12882806
CIELab	64.89, 14.65, 22.53
CIElCh	65, 26.879, 56.962
Yxy	33.9112, 0.3958, 0.3680
Android (android.graphics.Color)	4291072886 (0xFFC49376)
YUV	158.3450, -19.8901, 33.0234
Hunter-Lab	58.2333, 9.8776, 18.6055

Details

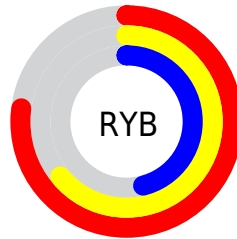
The XYZ color **36.4687, 33.9112, 21.7629** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.2532, 35.4732, 57.4244**, and the grayscale version is **32.7321, 34.4367, 37.5016**.

A 20% lighter version of the original color is **69.0154, 65.7464, 47.0830**, and **16.0723, 14.3709, 7.5570** is the 20% darker color. If you saturate the color by 10%, you get **33.6098, 29.8677, 15.6484**, and if you desaturate by 10%, it is **39.7763, 38.4646, 29.2216**.

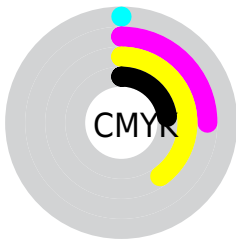
Distribution



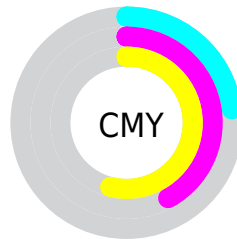
- Red (77%)
- Green (58%)
- Blue (46%)



- Red (77%)
- Yellow (64%)
- Blue (46%)



- Cyan (0%)
- Magenta (25%)
- Yellow (40%)
- Black (23%)




- Cyan (23%)
- Magenta (42%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4687, 33.9112, 21.7629 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 36.4687, 33.9112, 21.7629 by changing the saturation by 10% instead.


 36.4687, 33.9112,
21.7629


 36.4687, 33.9112,
21.7629


322.4002,
319.7359, 274.2186


 24.9682, 22.8254,
13.4861


 69.0740, 65.7956,
47.2510

 16.1820, 14.4646,
7.6295

 90.9096, 87.3629,
65.2993

 9.7447, 8.4445,
3.7744


 116.9208,
113.1928, 87.4420

 5.2910, 4.3807,
1.5024

147.4731,
143.6698, 114.0975

 2.4555, 1.8887,
0.2197

182.9318,
179.1782, 145.6844

 0.8729, 0.5416,
0.0000

223.6624,

 0.0000, 0.0000,

220.1025, 182.6211

0.0000

270.0300,
266.8269, 225.3264

■ 36.4687, 33.9112,
21.7629

■ 36.4687, 33.9112,
21.7629

■ 33.6098, 29.8677,
15.6484

■ 39.7763, 38.4646,
29.2216

■ 31.1755, 26.3104,
10.7945

■ 43.5499, 43.5408,
38.0973

■ 29.1431, 23.2206,
7.1111


■ 47.8091, 49.1584,
48.4599


■ 27.4863, 20.5764,
4.4951


■ 52.5713, 55.3332,
60.3739


■ 26.1750, 18.3538,
2.8249


■ 57.8534, 62.0809,
73.9002

 25.1586, 16.5194,
1.8741

 63.6710, 69.4159,
89.0962

 25.1398, 16.4855,
1.8570

 70.0069, 77.3397,
105.8460

 73.6186, 84.5629,
107.0499

 76.5750, 90.4758,
108.0354

Harmonies

Analogous

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



39.3424, 33.9112, 28.0654



36.4687, 33.9112, 21.7629



32.6282, 33.9112, 19.4450

Triad

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



36.4687, 33.9112, 21.7629



25.3463, 33.9112, 35.8037



35.7308, 33.9112, 59.4068

Complementary

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



36.4687, 33.9112, 21.7629



31.2532, 35.4732, 57.4244

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.



31.8382, 33.9112, 62.6074



36.4687, 33.9112, 21.7629



26.0337, 33.9112, 47.4732

Square

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



36.4687, 33.9112, 21.7629



26.3778, 33.9112, 26.4648



28.3361, 33.9112, 57.8669



38.8930, 33.9112, 49.8280

Rectangle

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



36.4687, 33.9112, 21.7629



30.1055, 33.9112, 20.0370



28.3361, 33.9112, 57.8669



34.4555, 33.9112, 61.3382

Sweetspot

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



36.4696, 33.9128, 21.7636



84.6806, 86.5270, 83.0440



36.2557, 27.4978, 40.1503



17.9011, 18.2259, 17.2266



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.



36.4696, 33.9128, 21.7636



61.3892, 54.8288, 29.3931



43.5099, 47.9934, 24.1103



10.3731, 10.6777, 10.5762



16.2297, 10.7451, 1.2186



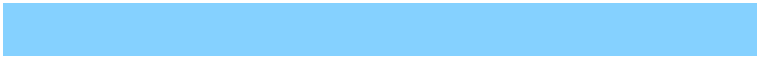
0.7675, 0.5968, 0.0747

Inverse Universe

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



31.2532, 35.4732, 57.4244



50.5796, 58.0136, 103.1397



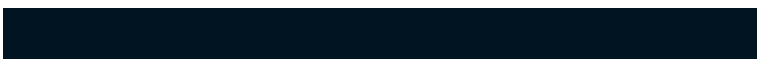
25.2068, 23.3803, 55.4089



10.0436, 10.7785, 12.8359



11.0474, 11.8512, 35.2619



0.5415, 0.6405, 1.5450

Previews

White Background



This preview shows how the XYZ color 36.4687, 33.9112, 21.7629 looks on a white background.

Color Contrast Check

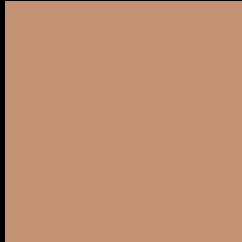
Large Text (above 18pt) WCAG AA × Fail

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 36.4687, 33.9112, 21.7629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

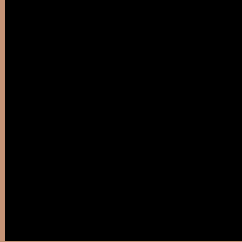
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4687, 33.9112, 21.7629

Background



This preview shows how black text looks on a background with the XYZ color 36.4687, 33.9112, 21.7629.



This preview shows how white text looks on a background with the XYZ color 36.4687, 33.9112,

21.7629.

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

36.4687, 33.9112, 21.7629

Protanopia

31.7806, 33.8688, 23.6012

Deuteranopia

34.5272, 33.8567, 21.5448



Tritanopia

38.9760, 33.7880, 34.6045

Trichromacy



Original Color

36.4687, 33.9112, 21.7629

Protanomaly

33.2025, 33.6279, 22.8300

Deuteranomaly

35.3524, 34.0442, 21.5375

Tritanomaly

37.9956, 33.8457, 29.3412

Monochromacy



Original Color

36.4687, 33.9112, 21.7629

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.5268, 33.8650, 30.7562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4687, 33.9112, 21.7629 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(196, 147, 118)` looks like.

```
.text, #text, p{  
    color:rgb(196, 147, 118)  
}
```

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(196, 147, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 147, 118) }
```

Border

The CSS property to change the border of an element to XYZ 36.4687, 33.9112, 21.7629 is called "border". The border property can be set on classes, ids or directly on the HTML element.

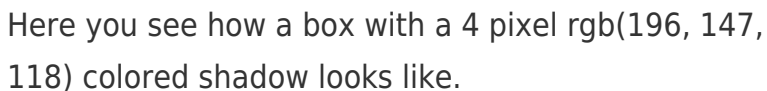
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 147, 118) }
```


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

```
.border{ border-color:rgb(196, 147, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 147, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 147, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 147, 118);  
box-shadow:4px 4px 4px 4px rgb(196, 147,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4687, 33.9112, 21.7629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 147, 118) }
```

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

```
.background{ background-color: rgb(196,  
147, 118) }
```

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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