

Converting Colors

XYZ(32.8061, 35.9398, 19.6760)

Have a look what the booklet for
XYZ(32.8061, 35.9398, 19.6760)
contains.

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Color

**XYZ(32.8708, 36.0692,
19.6976)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA36D
RGB	172, 163, 109
RGB Percent	67%, 64%, 43%
CMY	0.3255, 0.3608, 0.5725
CMYK	0.00, 0.05, 0.37, 0.33
HSL	51°, 28%, 55%
HSV	51°, 37%, 67%
XYZ	32.8708, 36.0692, 19.6976
YIQ	159.5350, 22.6980, -14.8860

Conversions

Conversions Part 2

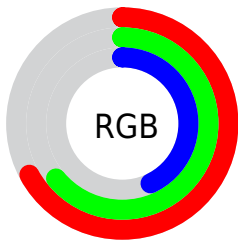
Format	Color
RYB	120, 172, 109
Decimal	11314029
CIELab	66.57, -4.95, 29.25
CIELCh	67, 29.670, 99.613
Yxy	36.0692, 0.3708, 0.4069
Android (android.graphics.Color)	4289504109 (0xFFACA36D)
YUV	159.5350, -24.9138, 10.9318
Hunter-Lab	60.0576, -7.4041, 22.5945

Details

The XYZ color **32.8708, 36.0692, 19.6976** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.2314, 19.1861, 41.6668**, and the grayscale version is **33.3040, 35.0384, 38.1569**.

A 20% lighter version of the original color is **63.4993, 69.2100, 43.7303**, and **14.1078, 15.6171, 6.5458** is the 20% darker color. If you saturate the color by 10%, you get **31.6025, 34.8722, 15.1452**, and if you desaturate by 10%, it is **34.3306, 37.3590, 25.2086**.

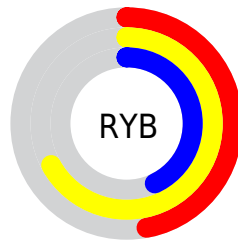
Distribution



Red (67%)

Green (64%)

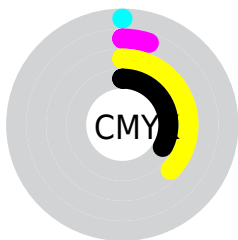
Blue (43%)



Red (47%)

Yellow (67%)

Blue (43%)

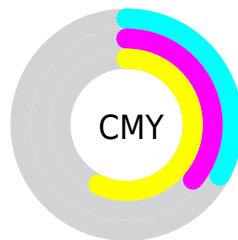


Cyan (0%)

Magenta (5%)

Yellow (37%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8708, 36.0692, 19.6976 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 32.8708, 36.0692, 19.6976 by changing the saturation by 10% instead.

■ 32.8708, 36.0692,
19.6976

■ 32.8708, 36.0692,
19.6976

306.7424,
329.2629, 262.8232

■ 22.1862, 24.4876,
11.9935

■ 63.5298, 69.1389,
43.7619

■ 14.1112, 15.6957,
6.6168

■ 84.2349, 91.3958,
60.9592

■ 8.2803, 9.3091,
3.1488

■ 109.0110,
117.9799, 82.1580

■ 4.3281, 4.9434,
1.1711

■ 138.2233,
149.2757, 107.7768

■ 1.8894, 2.2141,
0.0000

172.2373,
185.6674, 138.2342

■ 0.5707, 0.7276,
0.0000

211.4182,

■ 0.0000, 0.0000,

227.5396, 173.9487

0.0000

256.1315,
275.2767, 215.3388

■ 32.8708, 36.0692,
19.6976

■ 32.8708, 36.0692,
19.6976

■ 31.6025, 34.8722,
15.1452

■ 34.3306, 37.3590,
25.2086

■ 30.5124, 33.7586,
11.4933

■ 35.9889, 38.7405,
31.7273

■ 29.5894, 32.7253,
8.6807


■ 37.8559, 40.2192,
39.3023


■ 28.8205, 31.7669,
6.6381


■ 39.9400, 41.7985,
47.9781


■ 28.1903, 30.8772,
5.2848


■ 42.2492, 43.4817,
57.7969


 27.6772, 30.0476,
4.5076

 44.7912, 45.2719,
68.7985

 27.5156, 29.7753,
4.2970

 47.5733, 47.1722,
81.0210

 50.6023, 49.1853,
94.5006

 52.4349, 50.7340,
101.6368

Harmonies

Analogous

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



37.3570, 36.0692, 20.4605



32.8708, 36.0692, 19.6976



29.1016, 36.0692, 23.2318

Triad

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



32.8708, 36.0692, 19.6976



28.0929, 36.0692, 57.1014



42.9636, 36.0692, 48.4629

Complementary

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



32.8708, 36.0692, 19.6976



20.2314, 19.1861, 41.6668

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.



40.0449, 36.0692, 61.3885



32.8708, 36.0692, 19.6976



31.3819, 36.0692, 67.0784

Square

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



32.8708, 36.0692, 19.6976



26.5052, 36.0692, 43.5180



35.7344, 36.0692, 68.7979



43.4497, 36.0692, 35.3139

Rectangle

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



32.8708, 36.0692, 19.6976



27.4059, 36.0692, 28.1161



35.7344, 36.0692, 68.7979



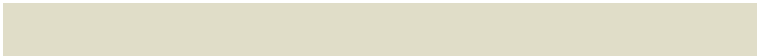
42.2231, 36.0692, 53.0490

Sweetspot

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



32.8717, 36.0708, 19.6983



67.0803, 71.7153, 64.7766



25.7790, 21.0271, 19.9805



14.4826, 15.5096, 13.6903



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.



32.8717, 36.0708, 19.6983



57.7299, 63.6512, 28.8684



30.0816, 37.0886, 20.0419



8.5637, 9.1323, 8.5247



20.5066, 22.2187, 3.2078



0.5966, 0.6704, 0.0980

Inverse Universe

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



20.2314, 19.1861, 41.6668



31.4070, 28.5005, 74.6516



22.2832, 18.7456, 41.4736



7.6678, 7.9349, 10.0801



5.8185, 2.7708, 29.2727



0.1897, 0.1328, 0.8236

Previews

White Background



This preview shows how the XYZ color 32.8708, 36.0692, 19.6976 looks on a white background.

Color Contrast Check

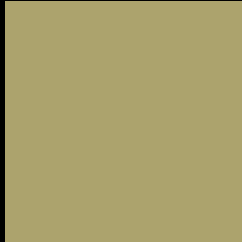
Large Text (above 18pt) WCAG AA × Fail

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 32.8708, 36.0692, 19.6976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

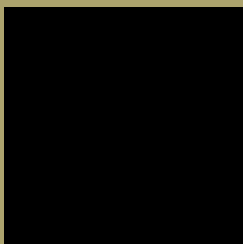
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

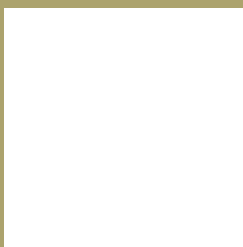
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8708, 36.0692, 19.6976

Background



This preview shows how black text looks on a background with the XYZ color 32.8708, 36.0692, 19.6976.



This preview shows how white text looks on a background with the XYZ color 32.8708, 36.0692,

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

32.8708, 36.0692, 19.6976

Protanopia

33.3598, 36.0587, 19.6698

Deuteranopia

36.5829, 35.9278, 20.0456



Tritanopia

37.5468, 36.1878, 42.0518

Trichromacy



Original Color

32.8708, 36.0692, 19.6976

Protanomaly

33.1362, 35.9435, 19.6593

Deuteranomaly

35.0489, 35.8938, 19.8328

Tritanomaly

35.5691, 36.1330, 32.7034

Monochromacy



Original Color

32.8708, 36.0692, 19.6976

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.8624, 35.3053, 30.2819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8708, 36.0692, 19.6976 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(172, 163, 109)` looks like.

```
.text, #text, p{  
    color:rgb(172, 163, 109)  
}
```

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(172, 163, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 163, 109) }
```

Border

The CSS property to change the border of an element to XYZ 32.8708, 36.0692, 19.6976 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(172, 163, 109) }
```


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

```
.border{ border-color:rgb(172, 163, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 163, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 163, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 163, 109);  
box-shadow:4px 4px 4px 4px rgb(172, 163,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8708, 36.0692, 19.6976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 163, 109) }
```

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

```
.background{ background-color: rgb(172,  
163, 109) }
```

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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