

Converting Colors

XYZ(28.6691, 36.1090, 17.4009)

Have a look what the booklet for
XYZ(28.6691, 36.1090, 17.4009)
contains.

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Color

**XYZ(28.7172, 36.1569,
17.5220)**

Conversions

Conversions Part 1

Format	Color
Hex	92AB64
RGB	146, 171, 100
RGB Percent	57%, 67%, 39%
CMY	0.4275, 0.3294, 0.6078
CMYK	0.15, 0.00, 0.42, 0.33
HSL	81°, 30%, 53%
HSV	81°, 42%, 67%
XYZ	28.7172, 36.1569, 17.5220
YIQ	155.4310, 7.8910, -27.3810

Conversions

Conversions Part 2

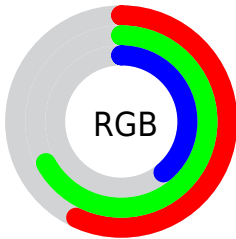
Format	Color
RYB	100, 171, 125
Decimal	9612132
CIELab	66.64, -20.70, 33.70
CIELCh	67, 39.545, 121.558
Yxy	36.1569, 0.3485, 0.4388
Android (android.graphics.Color)	4287802212 (0xFF92AB64)
YUV	155.4310, -27.3275, -8.2710
Hunter-Lab	60.1306, -19.9805, 24.8144

Details

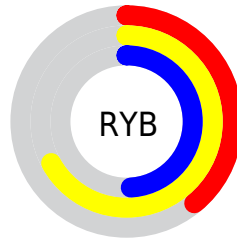
The XYZ color **28.7172, 36.1569, 17.5220** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.3668, 16.4156, 40.6252**, and the grayscale version is **31.4626, 33.1011, 36.0471**.

A 20% lighter version of the original color is **56.9512, 69.0772, 40.0374**, and **11.8105, 15.8124, 5.5616** is the 20% darker color. If you saturate the color by 10%, you get **26.9327, 35.3239, 13.5624**, and if you desaturate by 10%, it is **30.7336, 37.0917, 22.4008**.

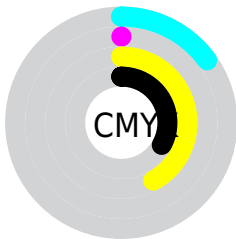
Distribution



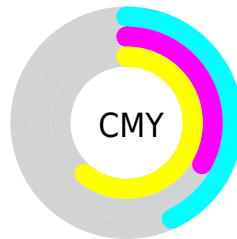
- Red (57%)
- Green (67%)
- Blue (39%)



- Red (39%)
- Yellow (67%)
- Blue (49%)



- Cyan (15%)
- Magenta (0%)
- Yellow (42%)
- Black (33%)



- Cyan (43%)
- Magenta (33%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7172, 36.1569, 17.5220 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 28.7172, 36.1569, 17.5220 by changing the saturation by 10% instead.

■ 28.7172, 36.1569,
17.5220

■ 28.7172, 36.1569,
17.5220

287.8966,
329.6458, 250.3078

■ 19.0102, 24.5554,
10.4415

■ 57.0281, 69.2742,
40.0240

■ 11.7817, 15.7461,
5.5832

■ 76.3628, 91.5587,
56.2826

■ 6.6663, 9.3447,
2.5287

■ 99.6374, 118.1731,
76.4375

■ 3.2988, 4.9667,
0.8553

■ 127.2172,
149.5016, 100.9075

■ 1.3137, 2.2277,
0.0000

159.4677,
185.9288, 130.1110

■ 0.1934, 0.7350,
0.0000

196.7542,

■ 0.0000, 0.0000,

227.8390, 164.4665

0.0000

239.4421,
275.6165, 204.3926

■ 28.7172, 36.1569,
17.5220

■ 28.7172, 36.1569,
17.5220

■ 26.9327, 35.3239,
13.5624

■ 30.7336, 37.0917,
22.4008

■ 25.3657, 34.5831,
10.4619

■ 32.9902, 38.1278,
28.2491

■ 24.0039, 33.9307,
8.1569


■ 35.4978, 39.2712,
35.1166


■ 22.8325, 33.3606,
6.5740


■ 38.2659, 40.5255,
43.0486


■ 21.8342, 32.8659,
5.6264


■ 41.3034, 41.8945,
52.0879

 21.0920, 32.4928,
5.1601

 44.6188, 43.3815,
62.2749

 48.2200, 44.9900,
73.6478

 52.1148, 46.7231,
86.2434

 56.3105, 48.5838,
100.0965

Harmonies

Analogous

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



34.0558, 36.1569, 14.8517



28.7172, 36.1569, 17.5220



25.2524, 36.1569, 25.7295

Triad

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



28.7172, 36.1569, 17.5220



29.1980, 36.1569, 75.7977



47.1241, 36.1569, 38.4843

Complementary

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



28.7172, 36.1569, 17.5220



20.3668, 16.4156, 40.6252

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.



45.4445, 36.1569, 57.1353



28.7172, 36.1569, 17.5220



34.6781, 36.1569, 82.0676

Square

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



28.7172, 36.1569, 17.5220



25.5066, 36.1569, 59.1366



40.7110, 36.1569, 74.4270



45.0707, 36.1569, 24.5846

Rectangle

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



28.7172, 36.1569, 17.5220



24.2422, 36.1569, 34.7497



40.7110, 36.1569, 74.4270



46.9764, 36.1569, 44.3799

Sweetspot

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



28.7181, 36.1585, 17.5228



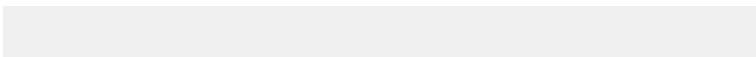
63.2461, 70.1811, 61.9779



26.4108, 24.2085, 15.3378



13.9739, 15.5914, 13.4584



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.



28.7181, 36.1585, 17.5228



48.4243, 63.3501, 24.6928



23.3759, 33.4045, 17.2728



8.3848, 9.1870, 8.5447



15.9580, 24.5237, 3.8925



0.5003, 0.7113, 0.1109

Inverse Universe

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



20.3668, 16.4156, 40.6252



31.4165, 23.1013, 71.8051



26.4765, 19.5652, 40.9111



7.8351, 7.8893, 10.0625



7.0086, 2.9729, 29.2490



0.2553, 0.1138, 0.8165

Previews

White Background



This preview shows how the XYZ color 28.7172, 36.1569, 17.5220 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 28.7172, 36.1569, 17.5220 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 28.7172, 36.1569, 17.5220

Background



This preview shows how black text looks on a background with the XYZ color 28.7172, 36.1569, 17.5220.



This preview shows how white text looks on a background with the XYZ color 28.7172, 36.1569,

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

28.7172, 36.1569, 17.5220

Protanopia

33.2095, 36.0508, 16.5174

Deuteranopia

36.7257, 36.0443, 18.1183



Tritanopia

34.3685, 36.0037, 45.6954

Trichromacy



Original Color

28.7172, 36.1569, 17.5220

Protanomaly

31.3856, 35.8991, 16.8303

Deuteranomaly

33.3245, 35.8161, 17.9888

Tritanomaly

31.7493, 35.7238, 33.2390

Monochromacy



Original Color

28.7172, 36.1569, 17.5220

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.0669, 33.9144, 27.8831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7172, 36.1569, 17.5220 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(146, 171, 100)` looks like.

```
.text, #text, p{  
    color:rgb(146, 171, 100)  
}
```

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(146, 171, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 171, 100) }
```

Border

The CSS property to change the border of an element to XYZ 28.7172, 36.1569, 17.5220 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(146, 171, 100) }
```


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

```
.border{ border-color:rgb(146, 171, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 171, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 171, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 171, 100);  
box-shadow:4px 4px 4px 4px rgb(146, 171,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7172, 36.1569, 17.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 171, 100) }
```

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

```
.background{ background-color: rgb(146,  
171, 100) }
```

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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