

Converting Colors

XYZ(28.9932, 35.9982, 28.7128)

Have a look what the booklet for
XYZ(28.9932, 35.9982, 28.7128)
contains.

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Color

**XYZ(28.9985, 36.0543,
28.7233)**

Conversions

Conversions Part 1

Format	Color
Hex	87AB88
RGB	135, 171, 136
RGB Percent	53%, 67%, 53%
CMY	0.4706, 0.3294, 0.4667
CMYK	0.21, 0.00, 0.20, 0.33
HSL	122°, 18%, 60%
HSV	122°, 21%, 67%
XYZ	28.9985, 36.0543, 28.7233
YIQ	156.2460, -10.2210, -18.5170

Conversions

Conversions Part 2

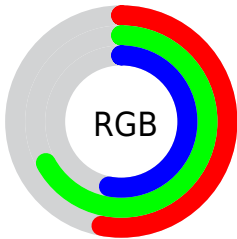
Format	Color
RYB	135, 170, 171
Decimal	8891272
CIELab	66.56, -19.27, 14.08
CIELCh	67, 23.862, 143.844
Yxy	36.0543, 0.3092, 0.3845
Android (android.graphics.Color)	4287081352 (0xFF87AB88)
YUV	156.2460, -9.9813, -18.6327
Hunter-Lab	60.0452, -18.8736, 13.6696

Details

The XYZ color **28.9985, 36.0543, 28.7233** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **32.7155, 28.8889, 41.8837**, and the grayscale version is **31.7570, 33.4109, 36.3844**.

A 20% lighter version of the original color is **57.3679, 68.8857, 58.4168**, and **11.9327, 15.7504, 11.2153** is the 20% darker color. If you saturate the color by 10%, you get **25.3737, 34.3128, 22.8572**, and if you desaturate by 10%, it is **33.2504, 38.1000, 35.5771**.

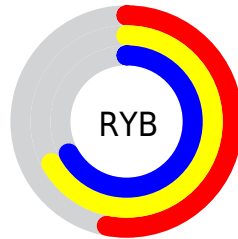
Distribution



Red (53%)

Green (67%)

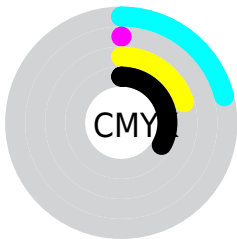
Blue (53%)



Red (53%)

Yellow (67%)

Blue (67%)

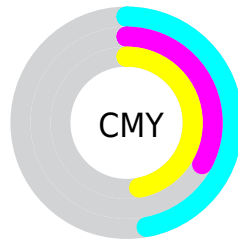


Cyan (21%)

Magenta (0%)

Yellow (20%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9985, 36.0543, 28.7233 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 28.9985, 36.0543, 28.7233 by changing the saturation by 10% instead.

■ 28.9985, 36.0543,
28.7233

■ 28.9985, 36.0543,
28.7233

289.2022,
329.1978, 309.9271

■ 19.2240, 24.4761,
18.6278

■ 57.4723, 69.1159,
58.6741

■ 11.9372, 15.6872,
11.2276

■ 76.9022, 91.3681,
79.3665

■ 6.7728, 9.3031,
6.1040

■ 100.2814,
117.9471, 104.4283

■ 3.3655, 4.9394,
2.8386

127.9750,
149.2372, 134.2781

■ 1.3499, 2.2117,
1.0128

160.3486,
185.6230, 169.3343

■ 0.2201, 0.7264,
0.0000

197.7674,

■ 0.0000, 0.0000,

227.4888, 210.0155

0.0000

240.5968,
275.2189, 256.7403

■ 28.9985, 36.0543,
28.7233

■ 28.9985, 36.0543,
28.7233

■ 25.3737, 34.3128,
22.8572

■ 33.2504, 38.1000,
35.5771

■ 22.3438, 32.8567,
17.9309

■ 38.1542, 40.4586,
43.4585

■ 19.8778, 31.6722,
13.8964

■ 43.7366, 43.1442,
52.4082

■ 17.9408, 30.7423,
10.7004

■ 50.0222, 46.1684,
62.4642

■ 16.4942, 30.0486,
8.2838

■ 57.0342, 49.5426,
73.6623

■ 15.4940, 29.5697,
6.5801

■ 64.7947, 53.2775,
86.0368

■ 14.8885, 29.2805,
5.5115

■ 73.3252, 57.3833,
99.6208

■ 14.5897, 29.1377,
4.9916

■ 73.8536, 57.6073,
101.8345

Harmonies

Analogous

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



31.5567, 36.0543, 23.8268



28.9985, 36.0543, 28.7233



27.8615, 36.0543, 37.1778

Triad

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



28.9985, 36.0543, 28.7233



33.5346, 36.0543, 62.3389



40.9683, 36.0543, 31.8047

Complementary

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



28.9985, 36.0543, 28.7233



32.7155, 28.8889, 41.8837

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.



41.5894, 36.0543, 41.4123



28.9985, 36.0543, 28.7233



37.1315, 36.0543, 60.2246

Square

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



28.9985, 36.0543, 28.7233



30.3603, 36.0543, 57.4523



40.1412, 36.0543, 52.0947



38.4986, 36.0543, 25.3768

Rectangle

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



28.9985, 36.0543, 28.7233



28.0016, 36.0543, 44.1731



40.1412, 36.0543, 52.0947



41.4070, 36.0543, 34.7199

Sweetspot

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



28.9995, 36.0558, 28.7241



63.7430, 70.2500, 70.4625



35.6018, 39.4677, 28.6636



14.0929, 15.6073, 15.5172



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.



28.9995, 36.0558, 28.7241



48.9500, 63.1363, 46.6176



30.3551, 36.5981, 35.8627



7.9132, 8.9428, 8.5678



11.0012, 21.9658, 3.7801



0.3089, 0.6122, 0.1202

Inverse Universe

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



32.7155, 28.8889, 41.8837



56.7442, 48.1031, 74.2188



31.1600, 28.2667, 33.6925



8.3273, 8.1442, 10.0345



17.8699, 8.6105, 28.0241



0.5001, 0.2407, 0.7950

Previews

White Background



This preview shows how the XYZ color 28.9985, 36.0543, 28.7233 looks on a white background.

Color Contrast Check

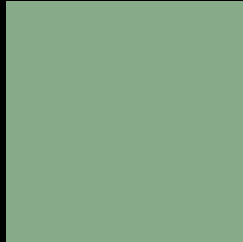
Large Text (above 18pt) WCAG AA × Fail

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 28.9985, 36.0543, 28.7233 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 28.9985, 36.0543, 28.7233

Background



This preview shows how black text looks on a background with the XYZ color 28.9985, 36.0543, 28.7233.



This preview shows how white text looks on a background with the XYZ color 28.9985, 36.0543,

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

28.9985, 36.0543, 28.7233

Protanopia

33.6362, 35.7864, 26.6074

Deuteranopia

36.3891, 35.6211, 29.3837



Tritanopia

32.6463, 35.8754, 47.3235

Trichromacy



Original Color

28.9985, 36.0543, 28.7233

Protanomaly

31.7893, 35.8728, 27.4390

Deuteranomaly

33.2687, 35.5402, 29.1513

Tritanomaly

31.0770, 35.7707, 39.9168

Monochromacy



Original Color

28.9985, 36.0543, 28.7233

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.3824, 33.9556, 33.3865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9985, 36.0543, 28.7233 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(135, 171, 136)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 136)  
}
```

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(135, 171, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 136) }
```

Border

The CSS property to change the border of an element to XYZ 28.9985, 36.0543, 28.7233 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(135, 171, 136) }
```


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

```
.border{ border-color:rgb(135, 171, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 171, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 171, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 171, 136);  
box-shadow:4px 4px 4px 4px rgb(135, 171,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9985, 36.0543, 28.7233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 136) }
```

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

```
.background{ background-color: rgb(135,  
171, 136) }
```

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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