

Converting Colors

XYZ(29.8216, 36.4512, 33.0351)

Have a look what the booklet for
XYZ(29.8216, 36.4512, 33.0351)
contains.

XYZ(29.8210, 36.3833, 33.0547)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.8210, 36.3833,
33.0547)**

Conversions

Conversions Part 1

Format	Color
Hex	87AB93
RGB	135, 171, 147
RGB Percent	53%, 67%, 58%
CMY	0.4706, 0.3294, 0.4235
CMYK	0.21, 0.00, 0.14, 0.33
HSL	140°, 18%, 60%
HSV	140°, 21%, 67%
XYZ	29.8210, 36.3833, 33.0547
YIQ	157.5000, -13.7520, -15.0960

Conversions

Conversions Part 2

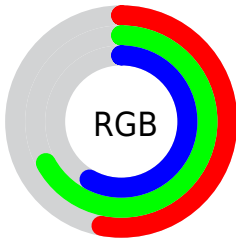
Format	Color
RYB	135, 162, 171
Decimal	8891283
CIELab	66.81, -17.19, 8.36
CIELCh	67, 19.119, 154.064
Yxy	36.3833, 0.3004, 0.3665
Android (android.graphics.Color)	4287081363 (0xFF87AB93)
YUV	157.5000, -5.1765, -19.7325
Hunter-Lab	60.3186, -17.3086, 9.7320

Details

The XYZ color **29.8210, 36.3833, 33.0547** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.7178, 28.4899, 36.6298**, and the grayscale version is **32.3010, 33.9832, 37.0077**.

A 20% lighter version of the original color is **58.7252, 69.4286, 65.5642**, and **12.4545, 15.9695, 13.4923** is the 20% darker color. If you saturate the color by 10%, you get **26.4369, 34.7381, 28.4559**, and if you desaturate by 10%, it is **33.7377, 38.2949, 38.1429**.

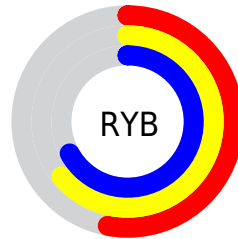
Distribution



Red (53%)

Green (67%)

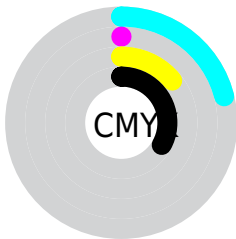
Blue (58%)



Red (53%)

Yellow (64%)

Blue (67%)

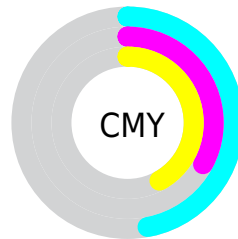


Cyan (21%)

Magenta (0%)

Yellow (14%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8210, 36.3833, 33.0547 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 29.8210, 36.3833, 33.0547 by changing the saturation by 10% instead.

■ 29.8210, 36.3833,
33.0547

■ 29.8210, 36.3833,
33.0547

292.9940,
330.6328, 330.5357

■ 19.8502, 24.7304,
21.8969

■ 58.7676, 69.6233,
65.5779

■ 12.3938, 15.8763,
13.5836

■ 78.4740, 91.9791,
87.7804

■ 7.0866, 9.4367,
7.6962

■ 102.1563,
118.6714, 114.5015

■ 3.5631, 5.0271,
3.8162

130.1799,
150.0844, 146.1598

■ 1.4581, 2.2632,
1.5251

162.9101,
186.6027, 183.1739

■ 0.2970, 0.7541,
0.2365

200.7123,

■ 0.0000, 0.0000,

228.6106, 225.9622

0.0000

243.9518,
276.4925, 274.9433

■ 29.8210, 36.3833,
33.0547

■ 29.8210, 36.3833,
33.0547

■ 26.4369, 34.7381,
28.4559

■ 33.7377, 38.2949,
38.1429

■ 23.5589, 33.3427,
24.3294

■ 38.2061, 40.4794,
43.7319

■ 21.1623, 32.1860,
20.6609

■ 43.2481, 42.9487,
49.8357

■ 19.2196, 31.2538,
17.4344

■ 48.8834, 45.7129,
56.4674

■ 17.6999, 30.5308,
14.6328

■ 55.1307, 48.7813,
63.6391

■ 16.5684, 29.9994,
12.2380

■ 62.0082, 52.1629,
71.3629

■ 15.7846, 29.6389,
10.2304

■ 69.5328, 55.8663,
79.6503

■ 15.3021, 29.4226,
8.7434

■ 71.2664, 56.5723,
88.2104

■ 72.9971, 57.2646,
97.3244

Harmonies

Analogous

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



31.5612, 36.3833, 27.8402



29.8210, 36.3833, 33.0547



29.3294, 36.3833, 40.7539

Triad

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



29.8210, 36.3833, 33.0547



34.9766, 36.3833, 57.7039



39.3917, 36.3833, 31.3533

Complementary

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



29.8210, 36.3833, 33.0547



31.7178, 28.4899, 36.6298

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.



40.4254, 36.3833, 38.4980



29.8210, 36.3833, 33.0547



37.7880, 36.3833, 54.3150

Square

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



29.8210, 36.3833, 33.0547



32.2074, 36.3833, 55.7190



39.8229, 36.3833, 46.9910



37.0689, 36.3833, 26.9582

Rectangle

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



29.8210, 36.3833, 33.0547



29.7516, 36.3833, 46.4651



39.8229, 36.3833, 46.9910



39.9072, 36.3833, 33.4740

Sweetspot

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



29.8220, 36.3848, 33.0555



64.2529, 70.4539, 73.1472



33.3548, 38.3092, 28.5584



14.2174, 15.6571, 16.1727



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.



29.8220, 36.3848, 33.0555



50.6324, 63.8093, 55.4772



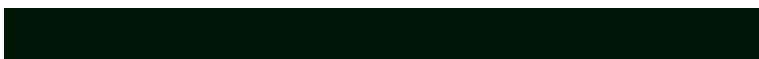
31.2928, 36.9731, 40.8004



8.0105, 8.9818, 9.0803



11.5572, 22.1882, 6.7080



0.3473, 0.6276, 0.3225

Inverse Universe

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



31.7178, 28.4899, 36.6298



54.6079, 47.2486, 62.9689



30.3121, 27.9276, 29.2275



8.2219, 8.1020, 9.4791



14.9755, 7.4528, 12.7826



0.4406, 0.2169, 0.4819

Previews

White Background



This preview shows how the XYZ color 29.8210, 36.3833, 33.0547 looks on a white background.

Color Contrast Check

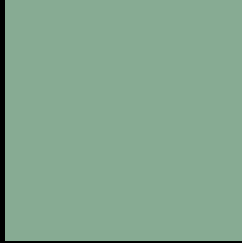
Large Text (above 18pt) WCAG AA × Fail

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 29.8210, 36.3833, 33.0547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

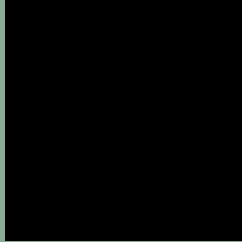
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8210, 36.3833, 33.0547

Background



This preview shows how black text looks on a background with the XYZ color 29.8210, 36.3833, 33.0547.



This preview shows how white text looks on a background with the XYZ color 29.8210, 36.3833,

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

29.8210, 36.3833, 33.0547

Protanopia

34.3804, 36.3397, 30.7934

Deuteranopia

36.6849, 35.9240, 33.8547



Tritanopia

32.8589, 36.2304, 48.4413

Trichromacy



Original Color

29.8210, 36.3833, 33.0547

Protanomaly

32.3938, 36.0920, 31.6447

Deuteranomaly

33.6867, 35.6590, 33.5412

Tritanomaly

31.7180, 36.3214, 42.3848

Monochromacy



Original Color

29.8210, 36.3833, 33.0547

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.5076, 35.0115, 35.6691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8210, 36.3833, 33.0547 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 147) }
```

Border

The CSS property to change the border of an element to XYZ 29.8210, 36.3833, 33.0547 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, 147) }
```


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

```
.border{ border-color:rgb(135, 171, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 171, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 171, 147);  
box-shadow:4px 4px 4px 4px rgb(135, 171,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8210, 36.3833, 33.0547 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, 147) }
```

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

```
.background{ background-color: rgb(135,  
171, 147) }
```

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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