

Converting Colors

XYZ(29.2960, 36.1607, 29.0033)

Have a look what the booklet for
XYZ(29.2960, 36.1607, 29.0033)
contains.

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Color

**XYZ(29.3948, 36.2503,
29.1147)**

Conversions

Conversions Part 1

Format	Color
Hex	89AB89
RGB	137, 171, 137
RGB Percent	54%, 67%, 54%
CMY	0.4627, 0.3294, 0.4627
CMYK	0.20, 0.00, 0.20, 0.33
HSL	120°, 17%, 60%
HSV	120°, 20%, 67%
XYZ	29.3948, 36.2503, 29.1147
YIQ	156.9580, -9.3500, -17.7820

Conversions

Conversions Part 2

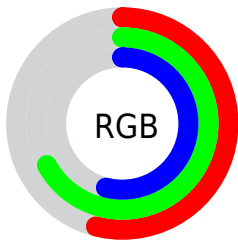
Format	Color
RYB	137, 171, 171
Decimal	9022345
CIELab	66.71, -18.38, 13.76
CIELCh	67, 22.961, 143.195
Yxy	36.2503, 0.3102, 0.3825
Android (android.graphics.Color)	4287212425 (0xFF89AB89)
YUV	156.9580, -9.8393, -17.5032
Hunter-Lab	60.2082, -18.2173, 13.4751

Details

The XYZ color **29.3948, 36.2503, 29.1147** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **33.0922, 29.4903, 42.4777**, and the grayscale version is **32.0756, 33.7460, 36.7494**.

A 20% lighter version of the original color is **57.9765, 69.1868, 59.0139**, and **12.1549, 15.8602, 11.4375** is the 20% darker color. If you saturate the color by 10%, you get **25.6797, 34.4668, 23.0373**, and if you desaturate by 10%, it is **33.7505, 38.3437, 36.2385**.

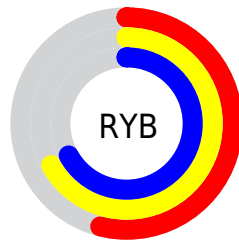
Distribution



Red (54%)

Green (67%)

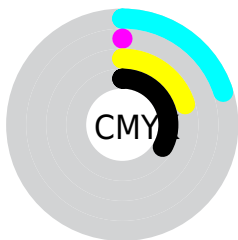
Blue (54%)



Red (54%)

Yellow (67%)

Blue (67%)

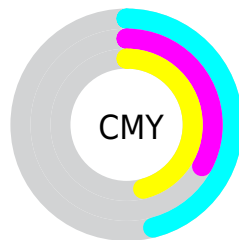


Cyan (20%)

Magenta (0%)

Yellow (20%)

Black (33%)



Cyan (46%)

Magenta (33%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3948, 36.2503, 29.1147 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 29.3948, 36.2503, 29.1147 by changing the saturation by 10% instead.

■ 29.3948, 36.2503,
29.1147

■ 29.3948, 36.2503,
29.1147

291.0339,
330.0532, 311.8336

■ 19.5255, 24.6276,
18.9213

■ 58.0970, 69.4182,
59.3036

■ 12.1568, 15.7998,
11.4372

■ 77.6606, 91.7322,
80.1362

■ 6.9235, 9.3826,
6.2438

■ 101.1862,
118.3787, 105.3523

■ 3.4602, 4.9916,
2.9227

129.0394,
149.7422, 135.3704

■ 1.4016, 2.2423,
1.0553

161.5854,
186.2070, 170.6090

■ 0.2573, 0.7429,
0.0000

199.1896,

■ 0.0000, 0.0000,

228.1575, 211.4867

0.0000

242.2173,
275.9781, 258.4221

■ 29.3948, 36.2503,
29.1147

■ 29.3948, 36.2503,
29.1147

■ 25.6797, 34.4668,
23.0373

■ 33.7505, 38.3437,
36.2385

■ 22.5725, 32.9743,
17.9548

■ 38.7721, 40.7558,
44.4521

■ 20.0415, 31.7585,
13.8149

■ 44.4868, 43.5009,
53.7995

■ 18.0514, 30.8025,
10.5596

■ 50.9197, 46.5909,
64.3215

■ 16.5628, 30.0875,
8.1247

■ 58.0943, 50.0372,
76.0568

■ 15.5311, 29.5919,
6.4371

■ 66.0333, 53.8507,
89.0424

■ 14.9037, 29.2906,
5.4109

■ 73.8536, 57.6072,
101.8345

■ 14.5672, 29.1289,
4.8604

■ 14.5636, 29.1272,
4.8546

Harmonies

Analogous

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



31.8988, 36.2503, 24.4116



29.3948, 36.2503, 29.1147



28.2584, 36.2503, 37.2540

Triad

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



29.3948, 36.2503, 29.1147



33.6720, 36.2503, 61.5894



40.9432, 36.2503, 32.4275

Complementary

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



29.3948, 36.2503, 29.1147



33.0922, 29.4903, 42.4777

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.



41.4967, 36.2503, 41.7730



29.3948, 36.2503, 29.1147



37.1438, 36.2503, 59.7163

Square

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



29.3948, 36.2503, 29.1147



30.6185, 36.2503, 56.7881



40.0646, 36.2503, 52.0297



38.5989, 36.2503, 26.0886

Rectangle

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



29.3948, 36.2503, 29.1147



28.3714, 36.2503, 43.9841



40.0646, 36.2503, 52.0297



41.3511, 36.2503, 35.2766

Sweetspot

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



29.3958, 36.2518, 29.1155



63.6973, 70.2317, 70.2218



35.8744, 39.5917, 29.4185



14.0817, 15.6029, 15.4585



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.



29.3958, 36.2518, 29.1155



49.4838, 63.4042, 46.9731



30.7132, 36.7788, 36.0531



7.9045, 8.9394, 8.5223



10.9783, 21.9566, 3.6595



0.3054, 0.6108, 0.1018

Inverse Universe

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



33.0922, 29.4903, 42.4777



57.3576, 49.0013, 75.4364



31.5741, 28.8831, 34.4837



8.3371, 8.1481, 10.0860



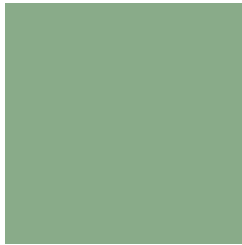
18.2018, 8.7433, 29.7717



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 29.3948, 36.2503, 29.1147 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 29.3948, 36.2503, 29.1147 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

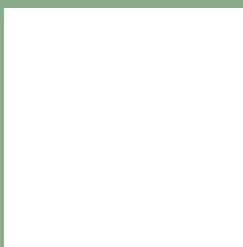
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3948, 36.2503, 29.1147

Background



This preview shows how black text looks on a background with the XYZ color 29.3948, 36.2503, 29.1147.



This preview shows how white text looks on a background with the XYZ color 29.3948, 36.2503,

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

29.3948, 36.2503, 29.1147

Protanopia

33.8798, 36.1645, 27.0246

Deuteranopia

36.6297, 35.9847, 29.8261



Tritanopia

33.0934, 36.0942, 47.8705

Trichromacy



Original Color

29.3948, 36.2503, 29.1147

Protanomaly

32.0563, 36.0024, 27.8139

Deuteranomaly

33.5535, 35.6786, 29.5443

Tritanomaly

31.5041, 35.9805, 40.4064

Monochromacy



Original Color

29.3948, 36.2503, 29.1147

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.0030, 34.5267, 33.8844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3948, 36.2503, 29.1147 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(137, 171, 137)` looks like.

```
.text, #text, p{  
    color:rgb(137, 171, 137)  
}
```

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(137, 171, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 171, 137) }
```

Border

The CSS property to change the border of an element to XYZ 29.3948, 36.2503, 29.1147 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(137, 171, 137) }
```


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

```
.border{ border-color:rgb(137, 171, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 171, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 171, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 171, 137);  
box-shadow:4px 4px 4px 4px rgb(137, 171,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3948, 36.2503, 29.1147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 171, 137) }
```

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

```
.background{ background-color: rgb(137,  
171, 137) }
```

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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