

Converting Colors

XYZ(30.2783, 33.9031, 28.2273)

Have a look what the booklet for
XYZ(30.2783, 33.9031, 28.2273)
contains.

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Color

**XYZ(30.3257, 34.0396,
28.2645)**

Conversions

Conversions Part 1

Format	Color
Hex	99A188
RGB	153, 161, 136
RGB Percent	60%, 63%, 53%
CMY	0.4000, 0.3686, 0.4667
CMYK	0.05, 0.00, 0.16, 0.37
HSL	79°, 12%, 58%
HSV	79°, 16%, 63%
XYZ	30.3257, 34.0396, 28.2645
YIQ	155.7580, 3.2570, -9.4710

Conversions

Conversions Part 2

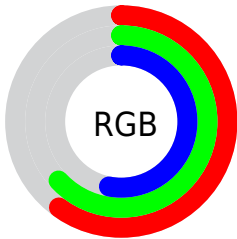
Format	Color
R_{YB}	136, 161, 144
Decimal	10068360
CIE Lab	64.99, -7.45, 12.06
CIE LCh	65, 14.179, 121.707
Yxy	34.0396, 0.3274, 0.3675
Android (android.graphics.Color)	4288258440 (0xFF99A188)
YUV	155.7580, -9.7407, -2.4188
Hunter-Lab	58.3435, -9.3205, 12.1174

Details

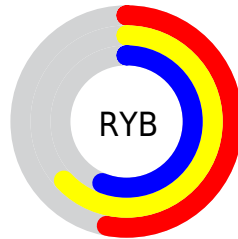
The XYZ color **30.3257, 34.0396, 28.2645** is a light color, and the websafe version is hex **999999**. A complement of this color would be **26.7400, 26.1117, 37.3507**, and the grayscale version is **31.5339, 33.1761, 36.1287**.

A 20% lighter version of the original color is **59.4733, 66.0513, 57.7587**, and **12.7351, 14.6485, 10.9603** is the 20% darker color. If you saturate the color by 10%, you get **28.3149, 33.1264, 22.6395**, and if you desaturate by 10%, it is **32.5523, 35.0462, 34.7983**.

Distribution



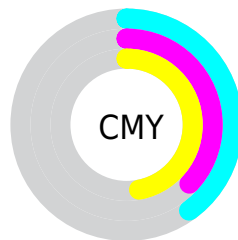
- Red (60%)
- Green (63%)
- Blue (53%)



- Red (53%)
- Yellow (63%)
- Blue (56%)



- Cyan (5%)
- Magenta (0%)
- Yellow (16%)
- Black (37%)



- Cyan (40%)
- Magenta (37%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3257, 34.0396, 28.2645 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 30.3257, 34.0396, 28.2645 by changing the saturation by 10% instead.

■ 30.3257, 34.0396,
28.2645

■ 30.3257, 34.0396,
28.2645

295.3023,
320.3086, 307.6803

■ 20.2352, 22.9240,
18.2844

■ 59.5600, 65.9952,
57.9346

■ 12.6754, 14.5374,
10.9828

■ 79.4345, 87.6041,
78.4617

■ 7.2809, 8.4954,
5.9412

■ 103.3011,
113.4795, 103.3415

■ 3.6863, 4.4135,
2.7412

131.5251,
144.0059, 132.9926

■ 1.5262, 1.9075,
0.9640

164.4718,
179.5675, 167.8334

■ 0.3436, 0.5529,
0.0000

202.5067,

■ 0.0000, 0.0000,

220.5490, 208.2826

0.0000

245.9951,
267.3345, 254.7587

■ 30.3257, 34.0396,
28.2645

■ 30.3257, 34.0396,
28.2645

■ 28.3149, 33.1264,
22.6395

■ 32.5523, 35.0462,
34.7983

■ 26.5089, 32.2989,
17.8808

■ 34.9996, 36.1448,
42.2765

■ 24.9000, 31.5549,
13.9459

■ 37.6759, 37.3400,
50.7354

■ 23.4786, 30.8906,
10.7877

■ 40.5879, 38.6346,
60.2087

■ 22.2344, 30.3017,
8.3544

■ 43.7423, 40.0311,
70.7287

■ 21.1558, 29.7837,
6.5881

■ 47.1453, 41.5323,
82.3259

■ 20.2295, 29.3310,
5.4216

■ 50.8032, 43.1406,
95.0300

■ 19.4383, 28.9367,
4.7676

■ 53.1024, 44.2107,
100.3425

■ 19.1101, 28.7721,
4.5464

■ 54.4502, 44.9055,
100.4055

Harmonies

Analogous

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



32.2363, 34.0396, 26.8853



30.3257, 34.0396, 28.2645



29.0052, 34.0396, 31.9657

Triad

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



30.3257, 34.0396, 28.2645



30.5209, 34.0396, 47.9195



36.4560, 34.0396, 36.7280

Complementary

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



30.3257, 34.0396, 28.2645



26.7400, 26.1117, 37.3507

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.



35.9503, 34.0396, 42.6760



30.3257, 34.0396, 28.2645



32.4712, 34.0396, 49.5320

Square

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



30.3257, 34.0396, 28.2645



29.1145, 34.0396, 43.3192



34.4700, 34.0396, 47.5215



35.8245, 34.0396, 31.4408

Rectangle

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



30.3257, 34.0396, 28.2645



28.6075, 34.0396, 35.4587



34.4700, 34.0396, 47.5215



36.4133, 34.0396, 38.7156

Sweetspot

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



30.3266, 34.0411, 28.2652



58.4779, 62.8436, 62.8649



29.1037, 29.2770, 27.4101



12.7647, 13.7554, 13.6062



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.3266, 34.0411, 28.2652



52.8862, 60.3158, 46.5737



28.1036, 32.8951, 28.1612



7.4279, 8.1231, 7.5565



15.3056, 23.0008, 3.6329



0.3674, 0.5069, 0.0785

Inverse Universe

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



26.7400, 26.1117, 37.3507



45.0902, 43.0783, 66.3250



29.0294, 27.2919, 37.4578



6.9040, 6.9649, 8.8835



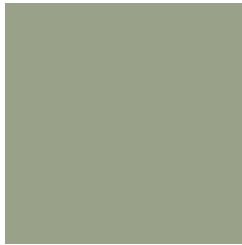
6.2883, 2.6482, 27.1095



0.1795, 0.0801, 0.5718

Previews

White Background



This preview shows how the XYZ color 30.3257, 34.0396, 28.2645 looks on a white background.

Color Contrast Check

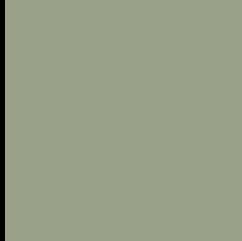
Large Text (above 18pt) WCAG AA × Fail

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 30.3257, 34.0396, 28.2645 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

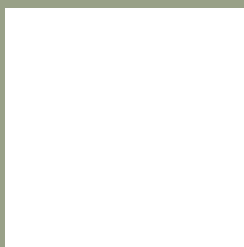
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3257, 34.0396, 28.2645

Background



This preview shows how black text looks on a background with the XYZ color 30.3257, 34.0396, 28.2645.



This preview shows how white text looks on a background with the XYZ color 30.3257, 34.0396,

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

30.3257, 34.0396, 28.2645

Protanopia

32.0859, 33.9422, 27.4146

Deuteranopia

34.6381, 33.9947, 28.7808



Tritanopia

33.1504, 33.9106, 42.3343

Trichromacy



Original Color

30.3257, 34.0396, 28.2645

Protanomaly

31.2980, 33.7801, 27.7923

Deuteranomaly

32.8143, 33.7949, 28.4605

Tritanomaly

32.0230, 33.9560, 36.7647

Monochromacy



Original Color

30.3257, 34.0396, 28.2645

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.1692, 33.5922, 33.2749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3257, 34.0396, 28.2645 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(153, 161, 136)` looks like.

```
.text, #text, p{  
    color:rgb(153, 161, 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(153, 161, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 161, 136) }
```

Border

The CSS property to change the border of an element to XYZ 30.3257, 34.0396, 28.2645 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(153, 161, 136) }
```


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

```
.border{ border-color:rgb(153, 161, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 161, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 161, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 161, 136);  
box-shadow:4px 4px 4px 4px rgb(153, 161,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3257, 34.0396, 28.2645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 161, 136) }
```

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

```
.background{ background-color: rgb(153,  
161, 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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