

Converting Colors

XYZ(29.8101, 36.3791, 31.6433)

Have a look what the booklet for
XYZ(29.8101, 36.3791, 31.6433)
contains.

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Color

**XYZ(29.9135, 36.4578,
31.8460)**

Conversions

Conversions Part 1

Format	Color
Hex	89AB90
RGB	137, 171, 144
RGB Percent	54%, 67%, 56%
CMY	0.4627, 0.3294, 0.4353
CMYK	0.20, 0.00, 0.16, 0.33
HSL	132°, 17%, 60%
HSV	132°, 20%, 67%
XYZ	29.9135, 36.4578, 31.8460
YIQ	157.7560, -11.5970, -15.6050

Conversions

Conversions Part 2

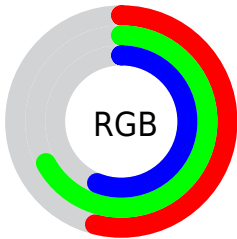
Format	Color
R _Y B	137, 165, 171
Decimal	9022352
CIE Lab	66.87, -17.09, 10.12
CIE LCh	67, 19.857, 149.366
Yxy	36.4578, 0.3046, 0.3712
Android (android.graphics.Color)	4287212432 (0xFF89AB90)
YUV	157.7560, -6.7817, -18.2030
Hunter-Lab	60.3803, -17.2334, 10.9953

Details

The XYZ color **29.9135, 36.4578, 31.8460** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.4424, 29.2305, 39.0558**, and the grayscale version is **32.4232, 34.1117, 37.1476**.

A 20% lighter version of the original color is **58.8753, 69.5463, 63.7468**, and **12.5477, 16.0280, 13.0221** is the 20% darker color. If you saturate the color by 10%, you get **26.3532, 34.7362, 26.5835**, and if you desaturate by 10%, it is **34.0450, 38.4614, 37.7885**.

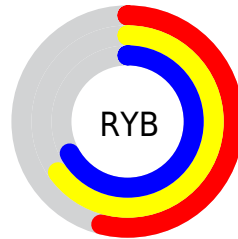
Distribution



Red (54%)

Green (67%)

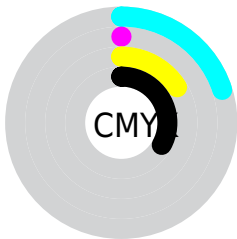
Blue (56%)



Red (54%)

Yellow (65%)

Blue (67%)

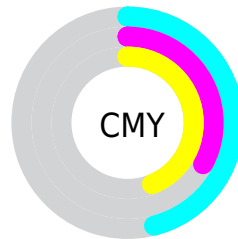


Cyan (20%)

Magenta (0%)

Yellow (16%)

Black (33%)



Cyan (46%)

Magenta (33%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9135, 36.4578, 31.8460 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 29.9135, 36.4578, 31.8460 by changing the saturation by 10% instead.

■ 29.9135, 36.4578,
31.8460

■ 29.9135, 36.4578,
31.8460

293.4181,
330.9571, 324.8882

■ 19.9207, 24.7880,
20.9801

■ 58.9129, 69.7381,
63.6647

■ 12.4453, 15.9192,
12.9183

■ 78.6502, 92.1173,
85.4545

■ 7.1221, 9.4670,
7.2423

■ 102.3664,
118.8352, 111.7227

■ 3.5856, 5.0470,
3.5333

130.4269,
150.2760, 142.8878

■ 1.4705, 2.2749,
1.3730

163.1969,
186.8242, 179.3684

■ 0.3056, 0.7604,
0.1205

201.0419,

■ 0.0000, 0.0000,

228.8642, 221.5829

0.0000

244.3272,
276.7804, 269.9500

■ 29.9135, 36.4578,
31.8460

■ 29.9135, 36.4578,
31.8460

■ 26.3532, 34.7362,
26.5835

■ 34.0450, 38.4614,
37.7885

■ 23.3358, 33.2796,
21.9745

■ 38.7683, 40.7543,
44.4317

■ 20.8351, 32.0760,
17.9941

■ 44.1069, 43.3489,
51.7983

■ 18.8215, 31.1106,
14.6149

■ 50.0818, 46.2557,
59.9091

■ 17.2622, 30.3673,
11.8077

■ 56.7133, 49.4848,
68.7842

■ 16.1204, 29.8277,
9.5406

■ 64.0206, 53.0457,
78.4431

■ 15.3533, 29.4704,
7.7785

■ 71.3926, 56.6228,
88.8749

■ 14.8749, 29.2520,
6.4807

■ 73.4760, 57.4562,
99.8462

■ 14.8700, 29.2498,
6.4681

■ 73.8536, 57.6072,
101.8345

Harmonies

Analogous

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



31.8946, 36.4578, 26.9487



29.9135, 36.4578, 31.8460



29.1886, 36.4578, 39.5136

Triad

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



29.9135, 36.4578, 31.8460



34.5882, 36.4578, 58.6528



39.9365, 36.4578, 32.1205

Complementary

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



29.9135, 36.4578, 31.8460



32.4424, 29.2305, 39.0558

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.



40.7580, 36.4578, 39.8796



29.9135, 36.4578, 31.8460



37.5641, 36.4578, 55.9382

Square

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



29.9135, 36.4578, 31.8460



31.7899, 36.4578, 55.7084



39.8663, 36.4578, 48.7412



37.6810, 36.4578, 27.0903

Rectangle

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



29.9135, 36.4578, 31.8460



29.4809, 36.4578, 45.4416



39.8663, 36.4578, 48.7412



40.3951, 36.4578, 34.4570

Sweetspot

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



29.9145, 36.4593, 31.8468



64.0386, 70.3682, 72.0190



34.4309, 38.8475, 29.3510



14.1650, 15.6362, 15.8971



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.



29.9145, 36.4593, 31.8468



50.5534, 63.8321, 52.6057



31.2960, 37.0119, 39.1217



7.9694, 8.9653, 8.8641



11.2253, 22.0554, 4.9600



0.3313, 0.6212, 0.2381

Inverse Universe

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



32.4424, 29.2305, 39.0558



55.9370, 48.4330, 67.9551



31.0236, 28.6630, 31.5843



8.2654, 8.1194, 9.7082



16.0191, 7.8702, 18.2781



0.4632, 0.2260, 0.6012

Previews

White Background



This preview shows how the XYZ color 29.9135, 36.4578, 31.8460 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 29.9135, 36.4578, 31.8460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

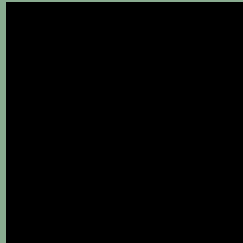
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9135, 36.4578, 31.8460

Background



This preview shows how black text looks on a background with the XYZ color 29.9135, 36.4578, 31.8460.



This preview shows how white text looks on a background with the XYZ color 29.9135, 36.4578,

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

29.9135, 36.4578, 31.8460

Protanopia

34.1581, 36.2508, 29.6229

Deuteranopia

36.9221, 36.0739, 32.6207



Tritanopia

33.1006, 36.3667, 47.9227

Trichromacy



Original Color

29.9135, 36.4578, 31.8460

Protanomaly

32.3634, 36.1025, 30.4620

Deuteranomaly

33.8695, 35.7806, 32.3154

Tritanomaly

31.8701, 36.4212, 41.4266

Monochromacy



Original Color

29.9135, 36.4578, 31.8460

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.4246, 34.9783, 35.2322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9135, 36.4578, 31.8460 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(137, 171, 144)  
}
```

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, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 171, 144) }
```

Border

The CSS property to change the border of an element to XYZ 29.9135, 36.4578, 31.8460 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, 144) }
```


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

```
.border{ border-color:rgb(137, 171, 144) }
```

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, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 171, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 171, 144);  
box-shadow:4px 4px 4px 4px rgb(137, 171,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9135, 36.4578, 31.8460 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, 144) }
```

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

```
.background{ background-color: rgb(137,  
171, 144) }
```

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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