

Converting Colors

XYZ(29.4781, 36.1430, 25.8454)

Have a look what the booklet for
XYZ(29.4781, 36.1430, 25.8454)
contains.

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Color

**XYZ(29.4263, 36.0587,
25.8312)**

Conversions

Conversions Part 1

Format	Color
Hex	8EAA80
RGB	142, 170, 128
RGB Percent	56%, 67%, 50%
CMY	0.4431, 0.3333, 0.4980
CMYK	0.16, 0.00, 0.25, 0.33
HSL	100°, 20%, 58%
HSV	100°, 25%, 67%
XYZ	29.4263, 36.0587, 25.8312
YIQ	156.8400, -3.2060, -18.9980

Conversions

Conversions Part 2

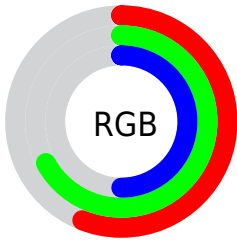
Format	Color
RYB	128, 170, 156
Decimal	9349760
CIELab	66.56, -17.63, 18.54
CIElCh	67, 25.589, 133.562
Yxy	36.0587, 0.3222, 0.3949
Android (android.graphics.Color)	4287539840 (0xFF8EAA80)
YUV	156.8400, -14.2181, -13.0147
Hunter-Lab	60.0489, -17.6136, 16.5295

Details

The XYZ color **29.4263, 36.0587, 25.8312** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.6867, 25.4096, 41.4247**, and the grayscale version is **32.0396, 33.7081, 36.7081**.

A 20% lighter version of the original color is **58.0307, 68.9224, 53.9609**, and **12.2041, 15.7455, 9.7931** is the 20% darker color. If you saturate the color by 10%, you get **26.5532, 34.6973, 20.3370**, and if you desaturate by 10%, it is **32.6866, 37.6002, 32.3237**.

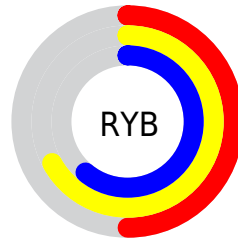
Distribution



Red (56%)

Green (67%)

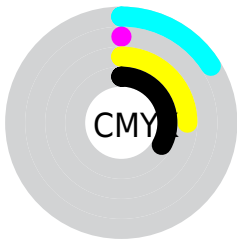
Blue (50%)



Red (50%)

Yellow (67%)

Blue (61%)

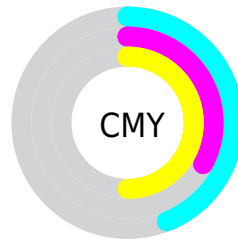


Cyan (16%)

Magenta (0%)

Yellow (25%)

Black (33%)



Cyan (44%)

Magenta (33%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4263, 36.0587, 25.8312 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 29.4263, 36.0587, 25.8312 by changing the saturation by 10% instead.

■ 29.4263, 36.0587,
25.8312

■ 29.4263, 36.0587,
25.8312

291.1791,
329.2170, 295.5315

■ 19.5494, 24.4795,
16.4728

■ 58.1466, 69.1227,
53.9832

■ 12.1743, 15.6897,
9.7013

■ 77.7207, 91.3762,
73.6139

■ 6.9356, 9.3049,
5.0984

■ 101.2580,
117.9568, 97.5058

■ 3.4678, 4.9406,
2.2454

129.1238,
149.2486, 126.0774

■ 1.4057, 2.2124,
0.7004

161.6835,
185.6361, 159.7472

■ 0.2603, 0.7268,
0.0000

199.3023,

■ 0.0000, 0.0000,

227.5038, 198.9338

0.0000

242.3458,
275.2360, 244.0557

■ 29.4263, 36.0587,
25.8312

■ 29.4263, 36.0587,
25.8312

■ 26.5532, 34.6973,
20.3370

■ 32.6866, 37.6002,
32.3237

■ 24.0492, 33.5045,
15.7894

■ 36.3456, 39.3235,
39.8581

■ 21.8991, 32.4747,
12.1353


■ 40.4177, 41.2362,
48.4784


■ 20.0850, 31.6000,
9.3158


■ 44.9159, 43.3440,
58.2253


■ 18.5877, 30.8720,
7.2647


■ 49.8524, 45.6525,
69.1374


 17.3855, 30.2811,
5.9058


 55.2391, 48.1669,
81.2515

 16.4530, 29.8162,
5.1464

 61.0873, 50.8922,
94.6027

 16.0435, 29.6108,
4.8699

 65.9237, 53.2399,
101.4095

 69.7369, 55.2057,
101.5880

Harmonies

Analogous

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



32.5682, 36.0587, 22.0667



29.4263, 36.0587, 25.8312



27.6598, 36.0587, 33.5700

Triad

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



29.4263, 36.0587, 25.8312



32.2230, 36.0587, 63.2712



41.9734, 36.0587, 34.5032

Complementary

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



29.4263, 36.0587, 25.8312



28.6867, 25.4096, 41.4247

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.



41.8636, 36.0587, 45.5631



29.4263, 36.0587, 25.8312



36.0357, 36.0587, 63.6501

Square

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



29.4263, 36.0587, 25.8312



29.1899, 36.0587, 55.7347



39.6240, 36.0587, 56.6892



39.9137, 36.0587, 26.4038

Rectangle

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



29.4263, 36.0587, 25.8312



27.4110, 36.0587, 40.5919



39.6240, 36.0587, 56.6892



42.1934, 36.0587, 37.9610

Sweetspot

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



29.4272, 36.0603, 25.8320



64.2674, 70.5570, 68.8285



32.3638, 33.8830, 25.2570



14.2452, 15.6937, 15.1694



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.



29.4272, 36.0603, 25.8320



50.2630, 63.9426, 40.8334



27.6511, 35.0895, 28.2380



7.6636, 8.5247, 8.0308



11.8551, 21.8087, 3.5847



0.3424, 0.5584, 0.0897

Inverse Universe

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



28.6867, 25.4096, 41.4247



48.6660, 41.0406, 74.3585



30.9089, 26.6297, 38.1629



7.5954, 7.5395, 9.4733



10.4401, 4.7655, 28.3451



0.3048, 0.1421, 0.6920

Previews

White Background



This preview shows how the XYZ color 29.4263, 36.0587, 25.8312 looks on a white background.

Color Contrast Check

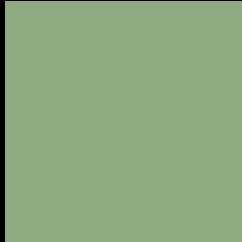
Large Text (above 18pt) WCAG AA × Fail

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 29.4263, 36.0587, 25.8312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

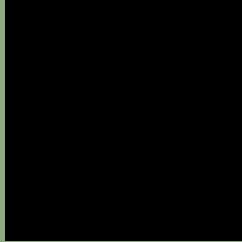
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4263, 36.0587, 25.8312

Background



This preview shows how black text looks on a background with the XYZ color 29.4263, 36.0587, 25.8312.



This preview shows how white text looks on a background with the XYZ color 29.4263, 36.0587,

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

29.4263, 36.0587, 25.8312

Protanopia

33.3962, 35.7156, 24.2024

Deuteranopia

36.5571, 35.7727, 26.4508



Tritanopia

33.7889, 36.2093, 46.8032

Trichromacy



Original Color

29.4263, 36.0587, 25.8312

Protanomaly

31.6751, 35.6087, 24.6057

Deuteranomaly

33.3947, 35.4112, 26.1941

Tritanomaly

31.9268, 35.9787, 38.0627

Monochromacy



Original Color

29.4263, 36.0587, 25.8312

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.0575, 34.5914, 32.2340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4263, 36.0587, 25.8312 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(142, 170, 128)` looks like.

```
.text, #text, p{  
    color:rgb(142, 170, 128)  
}
```

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(142, 170, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 170, 128) }
```

Border

The CSS property to change the border of an element to XYZ 29.4263, 36.0587, 25.8312 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(142, 170, 128) }
```


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

```
.border{ border-color:rgb(142, 170, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 170, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 170, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 170, 128);  
box-shadow:4px 4px 4px 4px rgb(142, 170,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4263, 36.0587, 25.8312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 170, 128) }
```

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

```
.background{ background-color: rgb(142,  
170, 128) }
```

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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