

Converting Colors

XYZ(29.4154, 33.9663, 14.1516)

Have a look what the booklet for
XYZ(29.4154, 33.9663, 14.1516)
contains.

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Color

**XYZ(29.4066, 33.8757,
14.2213)**

Conversions

Conversions Part 1

Format	Color
Hex	A2A158
RGB	162, 161, 88
RGB Percent	64%, 63%, 35%
CMY	0.3647, 0.3686, 0.6549
CMYK	0.00, 0.01, 0.46, 0.36
HSL	59°, 30%, 49%
HSV	59°, 46%, 64%
XYZ	29.4066, 33.8757, 14.2213
YIQ	152.9770, 24.0290, -22.4910

Conversions

Conversions Part 2

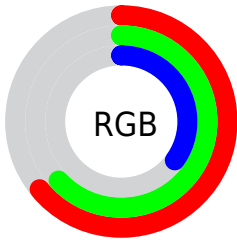
Format	Color
RYB	89, 162, 88
Decimal	10658136
CIELab	64.86, -10.38, 37.95
CIELCh	65, 39.339, 105.296
Yxy	33.8757, 0.3794, 0.4371
Android (android.graphics.Color)	4288848216 (0xFFA2A158)
YUV	152.9770, -32.0337, 7.9132
Hunter-Lab	58.2028, -11.6690, 26.2550

Details

The XYZ color **29.4066, 33.8757, 14.2213** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.1184, 11.8278, 35.7212**, and the grayscale version is **30.3967, 31.9797, 34.8259**.

A 20% lighter version of the original color is **58.1295, 65.8812, 34.0787**, and **12.2488, 14.5496, 4.0822** is the 20% darker color. If you saturate the color by 10%, you get **28.7711, 33.5618, 11.0588**, and if you desaturate by 10%, it is **30.1930, 34.2525, 18.1706**.

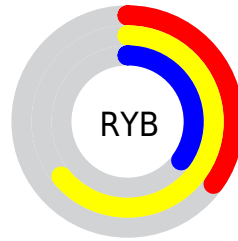
Distribution



Red (64%)

Green (63%)

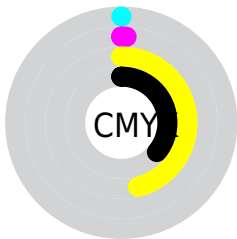
Blue (35%)



Red (35%)

Yellow (64%)

Blue (35%)

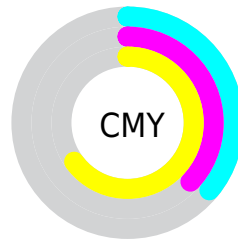


Cyan (0%)

Magenta (1%)

Yellow (46%)

Black (36%)



Cyan (36%)

Magenta (37%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4066, 33.8757, 14.2213 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 29.4066, 33.8757, 14.2213 by changing the saturation by 10% instead.

■ 29.4066, 33.8757,
14.2213

■ 29.4066, 33.8757,
14.2213

291.0883,
319.5774, 230.0793

■ 19.5344, 22.7981,
8.1342

■ 58.1156, 65.7403,
34.2039

■ 12.1634, 14.4445,
4.0920

■ 77.6831, 87.2962,
48.9366

■ 6.9280, 8.4305,
1.6759

■ 101.2131,
113.1136, 67.3882

■ 3.4631, 4.3716,
0.3442

■ 129.0710,
143.5769, 89.9773

■ 1.4031, 1.8835,
0.0000

■ 161.6221,
179.0705, 117.1224

■ 0.2584, 0.5385,
0.0000

199.2318,

■ 0.0000, 0.0000,

219.9789, 149.2421

0.0000

242.2654,
266.6864, 186.7549

■ 29.4066, 33.8757,
14.2213

■ 29.4066, 33.8757,
14.2213

■ 28.7711, 33.5618,
11.0588

■ 30.1930, 34.2525,
18.1706

■ 28.2740, 33.3022,
8.6283

■ 31.1368, 34.6911,
22.9525

■ 27.9048, 33.0939,
6.8716

■ 32.2473, 35.1965,
28.6115

■ 27.6508, 32.9317,
5.7204

■ 33.5322, 35.7717,
35.1886

■ 27.4947, 32.8088,
5.0847

■ 34.9988, 36.4198,
42.7222

■ 27.4400, 32.7608,
4.8772

■ 36.6539, 37.1434,
51.2483

■ 38.5041, 37.9451,
60.8013

■ 40.5555, 38.8274,
71.4138

■ 42.8142, 39.7927,
83.1170

Harmonies

Analogous

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



35.0451, 33.8757, 14.1771



29.4066, 33.8757, 14.2213



25.0541, 33.8757, 18.9924

Triad

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



29.4066, 33.8757, 14.2213



25.1216, 33.8757, 63.8245



43.9360, 33.8757, 45.3913

Complementary

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



29.4066, 33.8757, 14.2213



14.1184, 11.8278, 35.7212

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.



40.5847, 33.8757, 63.4964



29.4066, 33.8757, 14.2213



29.5091, 33.8757, 76.0774

Square

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



29.4066, 33.8757, 14.2213



22.7852, 33.8757, 45.7499



35.1603, 33.8757, 75.9422



43.9001, 33.8757, 29.2461

Rectangle

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



29.4066, 33.8757, 14.2213



23.2743, 33.8757, 25.3142



35.1603, 33.8757, 75.9422



43.1524, 33.8757, 51.5332

Sweetspot

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



29.4074, 33.8773, 14.2220



58.8528, 64.0368, 53.5247



20.2032, 15.3864, 11.4081



13.1167, 14.3367, 11.5036



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.4074, 33.8773, 14.2220



52.1946, 60.9105, 19.8903



23.3206, 30.9986, 13.9872



7.6412, 8.2208, 7.5641



21.6207, 25.8153, 3.8433



0.4567, 0.5472, 0.0816

Inverse Universe

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



14.1184, 11.8278, 35.7212



20.8411, 15.6957, 63.9873



18.2901, 13.8562, 35.8928



6.7077, 6.8745, 8.8764



5.1591, 2.0976, 27.0627



0.1106, 0.0484, 0.5694

Previews

White Background



This preview shows how the XYZ color 29.4066, 33.8757, 14.2213 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 29.4066, 33.8757, 14.2213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

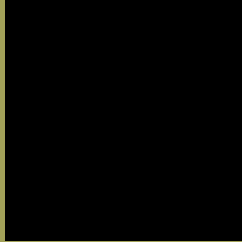
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4066, 33.8757, 14.2213

Background



This preview shows how black text looks on a background with the XYZ color 29.4066, 33.8757, 14.2213.



This preview shows how white text looks on a background with the XYZ color 29.4066, 33.8757,

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

29.4066, 33.8757, 14.2213

Protanopia

31.0109, 33.6863, 13.8845

Deuteranopia

34.5329, 33.7745, 14.5966



Tritanopia

34.5066, 33.6829, 39.8047

Trichromacy



Original Color

29.4066, 33.8757, 14.2213

Protanomaly

30.3093, 33.5769, 13.9003

Deuteranomaly

32.4571, 33.6731, 14.4618

Tritanomaly

32.1016, 33.4358, 28.0544

Monochromacy



Original Color

29.4066, 33.8757, 14.2213

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

29.5612, 32.4298, 25.4704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4066, 33.8757, 14.2213 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(162, 161, 88)` looks like.

```
.text, #text, p{  
    color:rgb(162, 161, 88)  
}
```

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(162, 161, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 161, 88) }
```

Border

The CSS property to change the border of an element to XYZ 29.4066, 33.8757, 14.2213 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(162, 161, 88) }
```


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

```
.border{ border-color:rgb(162, 161, 88) }
```

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

Here you see how a box with a 4 pixel rgb(162, 161, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 161, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 161, 88);  
box-shadow:4px 4px 4px 4px rgb(162, 161,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4066, 33.8757, 14.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 161, 88) }
```

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

```
.background{ background-color: rgb(162,  
161, 88) }
```

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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