

Converting Colors

XYZ(29.7401, 34.9132, 14.4104)

Have a look what the booklet for
XYZ(29.7401, 34.9132, 14.4104)
contains.

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Color

**XYZ(29.7349, 34.8326,
14.3887)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A458
RGB	161, 164, 88
RGB Percent	63%, 64%, 35%
CMY	0.3686, 0.3568, 0.6549
CMYK	0.02, 0.00, 0.46, 0.36
HSL	62°, 30%, 49%
HSV	62°, 46%, 64%
XYZ	29.7349, 34.8326, 14.3887
YIQ	154.4390, 22.6080, -24.2720

Conversions

Conversions Part 2

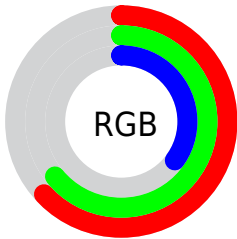
Format	Color
RYB	88, 164, 91
Decimal	10593368
CIELab	65.62, -12.38, 38.85
CIELCh	66, 40.773, 107.669
Yxy	34.8326, 0.3766, 0.4412
Android (android.graphics.Color)	4288783448 (0xFFA1A458)
YUV	154.4390, -32.7544, 5.7540
Hunter-Lab	59.0191, -13.3520, 26.8587

Details

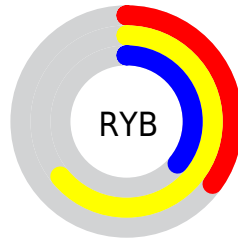
The XYZ color **29.7349, 34.8326, 14.3887** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.5062, 11.8848, 36.6535**, and the grayscale version is **31.0417, 32.6583, 35.5648**.

A 20% lighter version of the original color is **58.6804, 67.3082, 34.7099**, and **12.3447, 14.9230, 4.1492** is the 20% darker color. If you saturate the color by 10%, you get **29.0006, 34.5251, 11.1985**, and if you desaturate by 10%, it is **30.6244, 35.2048, 18.3853**.

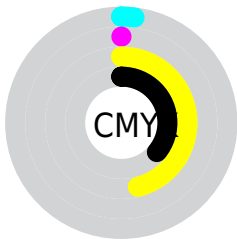
Distribution



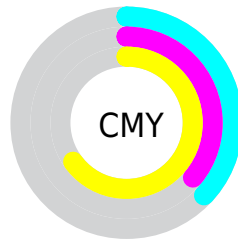
- Red (63%)
- Green (64%)
- Blue (35%)



- Red (35%)
- Yellow (64%)
- Blue (36%)



- Cyan (2%)
- Magenta (0%)
- Yellow (46%)
- Black (36%)



- Cyan (37%)
- Magenta (36%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7349, 34.8326, 14.3887 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 29.7349, 34.8326, 14.3887 by changing the saturation by 10% instead.

■ 29.7349, 34.8326,
14.3887

■ 29.7349, 34.8326,
14.3887

292.5989,
323.8288, 231.1476

■ 19.7845, 23.5340,
8.2497

■ 58.6322, 67.2264,
34.5041

■ 12.3459, 14.9883,
4.1651

■ 78.3098, 89.0903,
49.3176

■ 7.0536, 8.8112,
1.7163

■ 101.9606,
115.2447, 67.8597

■ 3.5422, 4.6182,
0.3719

■ 129.9499,
146.0741, 90.5489

■ 1.4466, 2.0250,
0.0000

■ 162.6429,
181.9628, 117.8038

■ 0.2890, 0.6220,
0.0000

200.4052,

■ 0.0000, 0.0000,

223.2952, 150.0428

0.0000

243.6021,
270.4558, 187.6846

■ 29.7349, 34.8326,
14.3887

■ 29.7349, 34.8326,
14.3887

■ 29.0006, 34.5251,
11.1985

■ 30.6244, 35.2048,
18.3853

■ 28.4087, 34.2733,
8.7579

■ 31.6760, 35.6406,
23.2357

■ 27.9482, 34.0742,
7.0062

■ 32.8992, 36.1452,
28.9863

■ 27.6057, 33.9224,
5.8722

■ 34.3021, 36.7217,
35.6793

■ 27.3622, 33.8103,
5.2562

■ 35.8921, 37.3732,
43.3544

■ 27.2828, 33.7731,
5.0809

■ 37.6764, 38.1024,
52.0491

■ 39.6618, 38.9122,
61.7987

■ 41.8546, 39.8050,
72.6371

■ 44.2609, 40.7833,
84.5964

Harmonies

Analogous

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



35.6270, 34.8326, 13.9762



29.7349, 34.8326, 14.3887



25.3057, 34.8326, 19.7762

Triad

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



29.7349, 34.8326, 14.3887



25.9448, 34.8326, 67.8918



45.6744, 34.8326, 45.4118

Complementary

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



29.7349, 34.8326, 14.3887



14.5062, 11.8848, 36.6535

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.



42.3672, 34.8326, 64.7409



29.7349, 34.8326, 14.3887



30.7094, 34.8326, 80.1105

Square

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



29.7349, 34.8326, 14.3887



23.3057, 34.8326, 48.8389



36.7256, 34.8326, 78.8093



45.3314, 34.8326, 28.7747

Rectangle

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



29.7349, 34.8326, 14.3887



23.5601, 34.8326, 26.7291



36.7256, 34.8326, 78.8093



44.9377, 34.8326, 51.8825

Sweetspot

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



29.7357, 34.8342, 14.3894



60.2160, 65.8123, 54.9933



20.7738, 16.0006, 11.2265



13.0560, 14.3432, 11.5081



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.



29.7357, 34.8342, 14.3894



52.5531, 62.6293, 19.9669



23.2736, 31.5028, 14.0870



7.6216, 8.2229, 7.5656



20.9276, 25.8991, 3.8960



0.4476, 0.5483, 0.0822

Inverse Universe

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



14.5062, 11.8848, 36.6535



21.3324, 15.5669, 65.6327



19.1742, 14.2912, 36.8719



6.7252, 6.8727, 8.8752



5.2098, 2.0922, 27.0590



0.1168, 0.0477, 0.5689

Previews

White Background



This preview shows how the XYZ color 29.7349, 34.8326, 14.3887 looks on a white background.

Color Contrast Check

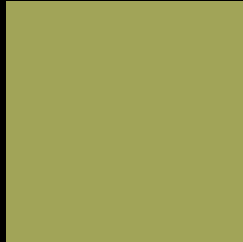
Large Text (above 18pt) WCAG AA × Fail

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 29.7349, 34.8326, 14.3887 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 29.7349, 34.8326, 14.3887

Background



This preview shows how black text looks on a background with the XYZ color 29.7349, 34.8326, 14.3887.



This preview shows how white text looks on a background with the XYZ color 29.7349, 34.8326,

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

29.7349, 34.8326, 14.3887

Protanopia

31.7570, 34.5821, 13.8053

Deuteranopia

35.3647, 34.6811, 14.7277



Tritanopia

35.2740, 34.7788, 41.4130

Trichromacy



Original Color

29.7349, 34.8326, 14.3887

Protanomaly

31.0427, 34.7239, 14.0831

Deuteranomaly

33.0253, 34.4602, 14.5837

Tritanomaly

32.7507, 34.5042, 28.9786

Monochromacy



Original Color

29.7349, 34.8326, 14.3887

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.1608, 33.2335, 25.9442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7349, 34.8326, 14.3887 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(161, 164, 88)` looks like.

```
.text, #text, p{  
    color:rgb(161, 164, 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(161, 164, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 164, 88) }
```

Border

The CSS property to change the border of an element to XYZ 29.7349, 34.8326, 14.3887 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(161, 164, 88) }
```


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

```
.border{ border-color:rgb(161, 164, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 164, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 164, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 164, 88);  
box-shadow:4px 4px 4px 4px rgb(161, 164,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7349, 34.8326, 14.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 164, 88) }
```

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

```
.background{ background-color: rgb(161,  
164, 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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