

Converting Colors

XYZ(33.2474, 36.5388, 29.2257)

Have a look what the booklet for
XYZ(33.2474, 36.5388, 29.2257)
contains.

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Color

**XYZ(33.3524, 36.6378,
29.3587)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A58A
RGB	164, 165, 138
RGB Percent	64%, 65%, 54%
CMY	0.3569, 0.3529, 0.4588
CMYK	0.01, 0.00, 0.16, 0.35
HSL	62°, 13%, 59%
HSV	62°, 16%, 65%
XYZ	33.3524, 36.6378, 29.3587
YIQ	161.6230, 8.0710, -8.6090

Conversions

Conversions Part 2

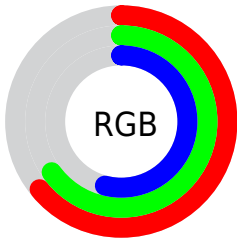
Format	Color
RYB	138, 165, 139
Decimal	10790282
CIELab	67.00, -5.11, 13.90
CIELCh	67, 14.812, 110.178
Yxy	36.6378, 0.3357, 0.3688
Android (android.graphics.Color)	4288980362 (0xFFA4A58A)
YUV	161.6230, -11.6461, 2.0846
Hunter-Lab	60.5292, -7.5701, 13.6128

Details

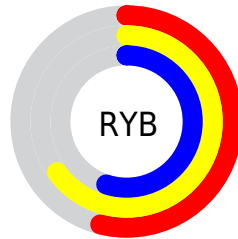
The XYZ color **33.3524, 36.6378, 29.3587** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.5290, 26.3836, 39.2937**, and the grayscale version is **34.2172, 35.9992, 39.2031**.

A 20% lighter version of the original color is **64.2106, 70.0081, 59.4189**, and **14.3487, 15.9596, 11.5568** is the 20% darker color. If you saturate the color by 10%, you get **32.1215, 36.1321, 23.5318**, and if you desaturate by 10%, it is **34.7674, 37.2197, 36.1431**.

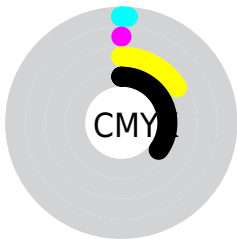
Distribution



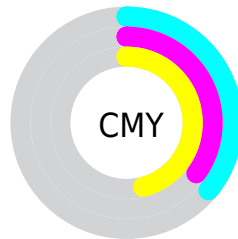
- Red (64%)
- Green (65%)
- Blue (54%)



- Red (54%)
- Yellow (65%)
- Blue (55%)



- Cyan (1%)
- Magenta (0%)
- Yellow (16%)
- Black (35%)



- Cyan (36%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3524, 36.6378, 29.3587 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 33.3524, 36.6378, 29.3587 by changing the saturation by 10% instead.

■ 33.3524, 36.6378,
29.3587

■ 33.3524, 36.6378,
29.3587

308.8717,
331.7397, 313.0174

■ 22.5571, 24.9272,
19.1044

■ 64.2763, 70.0154,
59.6955

■ 14.3857, 16.0228,
11.5682

■ 85.1356, 92.4511,
80.6151

■ 8.4729, 9.5403,
6.3314

■ 110.0803,
119.2307, 105.9268

■ 4.4533, 5.0952,
2.9756

139.4757,
150.7385, 136.0493

■ 1.9617, 2.3033,
1.0822

173.6872,
187.3589, 171.4011

■ 0.6123, 0.7754,
0.0000

213.0801,

■ 0.0000, 0.0000,

229.4763, 212.4007

0.0000

258.0198,
277.4751, 259.4666

■ 33.3524, 36.6378,
29.3587

■ 33.3524, 36.6378,
29.3587

■ 32.1215, 36.1321,
23.5318

■ 34.7674, 37.2197,
36.1431

■ 31.0636, 35.6944,
18.6172

■ 36.3712, 37.8760,
43.9230

■ 30.1709, 35.3229,
14.5693

■ 38.1721, 38.6111,
52.7372

■ 29.4338, 35.0136,
11.3378

■ 40.1767, 39.4278,
62.6215

■ 28.8419, 34.7626,
8.8672

■ 42.3918, 40.3288,
73.6103

■ 28.3832, 34.5648,
7.0951

■ 44.8233, 41.3165,
85.7363

■ 28.0440, 34.4150,
5.9492

■ 47.4774, 42.3932,
99.0308

■ 27.8051, 34.3053,
5.3283

■ 47.8486, 42.5568,
100.3001

■ 27.7280, 34.2694,
5.1532

■ 47.9804, 42.6248,
100.3063

Harmonies

Analogous

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



35.5661, 36.6378, 28.8895



33.3524, 36.6378, 29.3587



31.6058, 36.6378, 32.4740

Triad

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



33.3524, 36.6378, 29.3587



32.1261, 36.6378, 50.1823



39.2611, 36.6378, 42.0428

Complementary

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



33.3524, 36.6378, 29.3587



26.5290, 26.3836, 39.2937

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.



38.2518, 36.6378, 48.3623



33.3524, 36.6378, 29.3587



34.0905, 36.6378, 53.3847

Square

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



33.3524, 36.6378, 29.3587



30.9192, 36.6378, 44.3195



36.3365, 36.6378, 52.6850



39.0426, 36.6378, 35.7703

Rectangle

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



33.3524, 36.6378, 29.3587



30.9107, 36.6378, 35.8378



36.3365, 36.6378, 52.6850



39.0525, 36.6378, 44.2417

Sweetspot

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



33.3534, 36.6394, 29.3595



62.6089, 66.7960, 66.3996



29.3239, 28.2715, 27.9567



13.6479, 14.5867, 14.3245



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.



33.3534, 36.6394, 29.3595



58.8090, 65.2359, 48.2005



30.7324, 35.2882, 29.2368



7.6233, 8.2238, 7.5656



20.9849, 25.9286, 3.8987



0.4484, 0.5487, 0.0823

Inverse Universe

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



26.5290, 26.3836, 39.2937



44.0174, 43.0062, 69.7334



28.9051, 27.6085, 39.4049



6.7237, 6.8719, 8.8751



5.2055, 2.0900, 27.0588



0.1163, 0.0475, 0.5689

Previews

White Background



This preview shows how the XYZ color 33.3524, 36.6378, 29.3587 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 33.3524, 36.6378, 29.3587 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

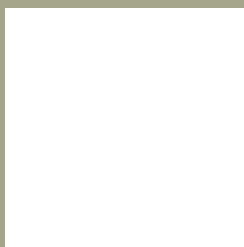
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3524, 36.6378, 29.3587

Background



This preview shows how black text looks on a background with the XYZ color 33.3524, 36.6378, 29.3587.



This preview shows how white text looks on a background with the XYZ color 33.3524, 36.6378,

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

33.3524, 36.6378, 29.3587

Protanopia

34.6258, 36.7712, 28.9395

Deuteranopia

37.2841, 36.5722, 29.9050



Tritanopia

36.4758, 36.5938, 44.6760

Trichromacy



Original Color

33.3524, 36.6378, 29.3587

Protanomaly

34.1530, 36.7921, 28.9684

Deuteranomaly

35.8214, 36.5894, 29.6006

Tritanomaly

35.2018, 36.5942, 38.4658

Monochromacy



Original Color

33.3524, 36.6378, 29.3587

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.9512, 36.2808, 35.3505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3524, 36.6378, 29.3587 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(164, 165, 138)` looks like.

```
.text, #text, p{  
    color:rgb(164, 165, 138)  
}
```

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(164, 165, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 165, 138) }
```

Border

The CSS property to change the border of an element to XYZ 33.3524, 36.6378, 29.3587 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(164, 165, 138) }
```


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

```
.border{ border-color:rgb(164, 165, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 165, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 165, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 165, 138);  
box-shadow:4px 4px 4px 4px rgb(164, 165,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3524, 36.6378, 29.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 165, 138) }
```

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

```
.background{ background-color: rgb(164,  
165, 138) }
```

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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