

Converting Colors

XYZ(33.1973, 36.3192, 39.6924)

Have a look what the booklet for
XYZ(33.1973, 36.3192, 39.6924)
contains.

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Color

**XYZ(33.2029, 36.3269,
39.9121)**

Conversions

Conversions Part 1

Format	Color
Hex	99A5A3
RGB	153, 165, 163
RGB Percent	60%, 65%, 64%
CMY	0.4000, 0.3529, 0.3608
CMYK	0.07, 0.00, 0.01, 0.35
HSL	170°, 6%, 62%
HSV	170°, 7%, 65%
XYZ	33.2029, 36.3269, 39.9121
YIQ	161.1840, -6.5100, -3.1660

Conversions

Conversions Part 2

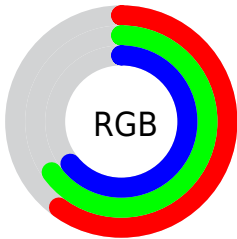
Format	Color
RYB	153, 160, 165
Decimal	10069411
CIELab	66.77, -4.62, -0.43
CIELCh	67, 4.642, 185.310
Yxy	36.3269, 0.3034, 0.3319
Android (android.graphics.Color)	4288259491 (0xFF99A5A3)
YUV	161.1840, 0.8953, -7.1774
Hunter-Lab	60.2718, -7.1425, 2.9283

Details

The XYZ color **33.2029, 36.3269, 39.9121** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.8261, 33.1494, 35.6806**, and the grayscale version is **33.9608, 35.7294, 38.9093**.

A 20% lighter version of the original color is **63.9802, 69.5138, 76.3750**, and **14.2539, 15.7827, 17.3340** is the 20% darker color. If you saturate the color by 10%, you get **30.0576, 34.7347, 38.4918**, and if you desaturate by 10%, it is **36.7863, 38.1464, 41.3824**.

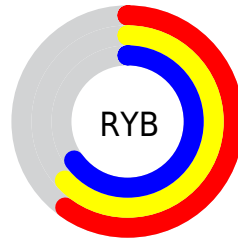
Distribution



Red (60%)

Green (65%)

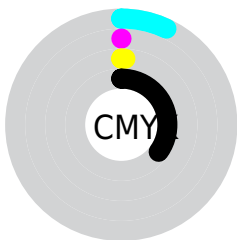
Blue (64%)



Red (60%)

Yellow (63%)

Blue (65%)

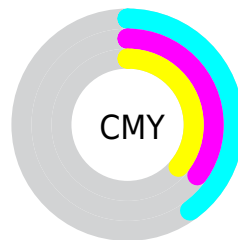


Cyan (7%)

Magenta (0%)

Yellow (1%)

Black (35%)



Cyan (40%)

Magenta (35%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2029, 36.3269, 39.9121 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 33.2029, 36.3269, 39.9121 by changing the saturation by 10% instead.

■ 33.2029, 36.3269,
39.9121

■ 33.2029, 36.3269,
39.9121

308.2119,
330.3871, 361.2940

■ 22.4419, 24.6868,
27.1568

■ 64.0447, 69.5363,
76.2653

■ 14.3004, 15.8438,
17.4575

■ 84.8563, 91.8744,
100.7002

■ 8.4130, 9.4137,
10.3958

109.7487,
118.5473, 129.8653

■ 4.4143, 5.0120,
5.5532

139.0874,
149.9393, 164.1793

■ 1.9391, 2.2543,
2.5110

173.2377,
186.4349, 204.0606

■ 0.5994, 0.7494,
0.8460

212.5650,

■ 0.0000, 0.0000,

228.4185, 249.9278

0.0000

257.4346,
276.2744, 302.1994

■ 33.2029, 36.3269,
39.9121

■ 33.2029, 36.3269,
39.9121

■ 30.0576, 34.7347,
38.4918

■ 36.7863, 38.1464,
41.3824

■ 27.3298, 33.3560,
37.1182

■ 40.8213, 40.1971,
42.9014

■ 25.0016, 32.1827,
35.7909

■ 45.3247, 42.4886,
44.4706

■ 23.0529, 31.2045,
34.5089

■ 50.3115, 45.0287,
46.0911

■ 21.4614, 30.4098,
33.2710

■ 55.7958, 47.8246,
47.7635

■ 20.2030, 29.7862,
32.0758

■ 61.7915, 50.8835,
49.4888

■ 19.2501, 29.3195,
30.9218

■ 63.1675, 51.5603,
51.0269

■ 18.5710, 28.9934,
29.8074

■ 63.4555, 51.6755,
52.5433

■ 18.1157, 28.7821,
28.7302

■ 63.7491, 51.7929,
54.0894

Harmonies

Analogous

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



33.3174, 36.3269, 37.9632



33.2029, 36.3269, 39.9121



33.4394, 36.3269, 41.8271

Triad

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



33.2029, 36.3269, 39.9121



35.3125, 36.3269, 42.7881



35.0937, 36.3269, 36.1493

Complementary

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



33.2029, 36.3269, 39.9121



32.8261, 33.1494, 35.6806

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.



35.6392, 36.3269, 37.3644



33.2029, 36.3269, 39.9121



35.7668, 36.3269, 41.1882

Square

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



33.2029, 36.3269, 39.9121



34.6525, 36.3269, 43.5232



35.8871, 36.3269, 39.1977



34.4031, 36.3269, 35.8335

Rectangle

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



33.2029, 36.3269, 39.9121



33.7662, 36.3269, 42.8134



35.8871, 36.3269, 39.1977



35.3004, 36.3269, 36.4641

Sweetspot

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



33.2039, 36.3284, 39.9129



62.7236, 66.7125, 72.8451



32.7621, 36.2001, 35.3983



13.7292, 14.5931, 15.9322



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.



33.2039, 36.3284, 39.9129



58.3385, 64.4885, 70.9899



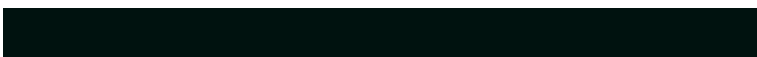
32.7094, 35.0500, 40.6404



7.2251, 7.9909, 8.7973



13.6362, 21.7408, 21.5984



0.2992, 0.4619, 0.5205

Inverse Universe

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



32.8261, 33.1494, 35.6806



57.4966, 57.4051, 61.5598



33.2913, 34.3468, 35.0127



7.1198, 7.1044, 7.6171



11.9063, 6.1186, 1.4314



0.2630, 0.1337, 0.0975

Previews

White Background



This preview shows how the XYZ color 33.2029, 36.3269, 39.9121 looks on a white background.

Color Contrast Check

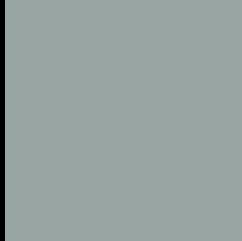
Large Text (above 18pt) WCAG AA × Fail

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 33.2029, 36.3269, 39.9121 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

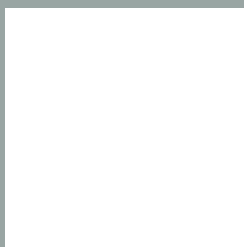
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2029, 36.3269, 39.9121

Background



This preview shows how black text looks on a background with the XYZ color 33.2029, 36.3269, 39.9121.

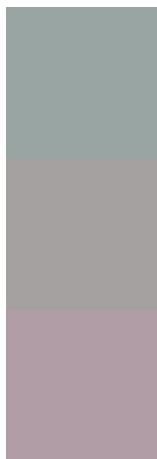


This preview shows how white text looks on a background with the XYZ color 33.2029, 36.3269,

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

33.2029, 36.3269, 39.9121

Protanopia

34.6949, 36.0623, 38.8503

Deuteranopia

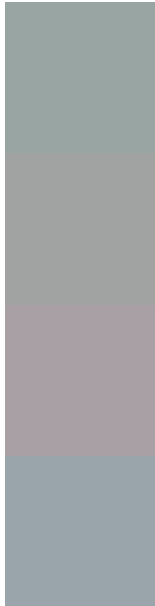
36.9800, 36.1777, 40.6312



Tritanopia

34.4512, 36.2975, 46.2646

Trichromacy



Original Color

33.2029, 36.3269, 39.9121

Protanomaly

34.1399, 36.0264, 39.3368

Deuteranomaly

35.4201, 36.1468, 40.2321

Tritanomaly

33.9526, 36.3612, 43.7570

Monochromacy



Original Color

33.2029, 36.3269, 39.9121

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.5425, 35.7184, 39.3089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2029, 36.3269, 39.9121 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(153, 165, 163)` looks like.

```
.text, #text, p{  
    color:rgb(153, 165, 163)  
}
```

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(153, 165, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 165, 163) }
```

Border

The CSS property to change the border of an element to XYZ 33.2029, 36.3269, 39.9121 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(153, 165, 163) }
```


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

```
.border{ border-color:rgb(153, 165, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 165, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 165, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 165, 163);  
box-shadow:4px 4px 4px 4px rgb(153, 165,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2029, 36.3269, 39.9121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 165, 163) }
```

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

```
.background{ background-color: rgb(153,  
165, 163) }
```

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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