

Converting Colors

XYZ(33.0238, 35.8727, 40.1396)

Have a look what the booklet for
XYZ(33.0238, 35.8727, 40.1396)
contains.

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Color

**XYZ(33.1132, 36.0036,
40.3261)**

Conversions

Conversions Part 1

Format	Color
Hex	99A4A4
RGB	153, 164, 164
RGB Percent	60%, 64%, 64%
CMY	0.4000, 0.3568, 0.3569
CMYK	0.07, 0.00, 0.00, 0.36
HSL	180°, 6%, 62%
HSV	180°, 7%, 64%
XYZ	33.1132, 36.0036, 40.3261
YIQ	160.7110, -6.5560, -2.3320

Conversions

Conversions Part 2

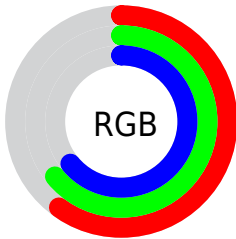
Format	Color
RYB	153, 159, 164
Decimal	10069156
CIELab	66.52, -3.88, -1.35
CIElCh	67, 4.106, 199.159
Yxy	36.0036, 0.3026, 0.3290
Android (android.graphics.Color)	4288259236 (0xFF99A4A4)
YUV	160.7110, 1.6215, -6.7625
Hunter-Lab	60.0030, -6.4984, 2.1552

Details

The XYZ color **33.1132, 36.0036, 40.3261** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.4522, 32.9759, 34.7933**, and the grayscale version is **33.7380, 35.4950, 38.6540**.

A 20% lighter version of the original color is **63.8498, 69.0429, 76.9792**, and **14.1983, 15.5830, 17.5887** is the 20% darker color. If you saturate the color by 10%, you get **30.2280, 34.5172, 40.1899**, and if you desaturate by 10%, it is **36.4260, 37.7124, 40.4838**.

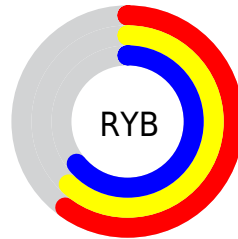
Distribution



Red (60%)

Green (64%)

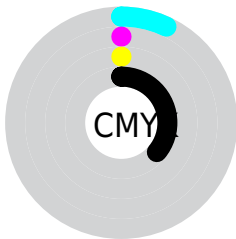
Blue (64%)



Red (60%)

Yellow (62%)

Blue (64%)

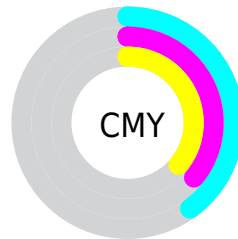


Cyan (7%)

Magenta (0%)

Yellow (0%)

Black (36%)



Cyan (40%)

Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1132, 36.0036, 40.3261 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 33.1132, 36.0036, 40.3261 by changing the saturation by 10% instead.

■ 33.1132, 36.0036,
40.3261

■ 33.1132, 36.0036,
40.3261

307.8155,
328.9763, 363.0890

■ 22.3728, 24.4370,
27.4772

■ 63.9057, 69.0376,
76.9023

■ 14.2492, 15.6581,
17.6963

■ 84.6886, 91.2738,
101.4667

■ 8.3771, 9.2825,
10.5650

109.5496,
117.8353, 130.7734

■ 4.3910, 4.9259,
5.6647

138.8543,
149.1065, 165.2408

■ 1.9256, 2.2039,
2.5768

172.9678,
185.4718, 205.2875

■ 0.5917, 0.7221,
0.8804

212.2556,

■ 0.0000, 0.0000,

227.3156, 251.3321

0.0000

257.0831,
275.0223, 303.7931

■ 33.1132, 36.0036,
40.3261

■ 33.1132, 36.0036,
40.3261

■ 30.2280, 34.5172,
40.1899

■ 36.4260, 37.7124,
40.4838

■ 27.7500, 33.2398,
40.0721

■ 40.1795, 39.6473,
40.6613

■ 25.6618, 32.1634,
39.9724

■ 44.3902, 41.8179,
40.8603

■ 23.9436, 31.2776,
39.8901

■ 49.0726, 44.2318,
41.0813

■ 22.5738, 30.5715,
39.8241

■ 54.2410, 46.8961,
41.3251

■ 21.5286, 30.0328,
39.7733

■ 59.9085, 49.8178,
41.5922

■ 20.7812, 29.6475,
39.7365

■ 61.2196, 50.4937,
41.6555

■ 20.3006, 29.3998,
39.7121

■ 61.2200, 50.4938,
41.6574

■ 20.0414, 29.2662,
39.6981

■ 61.2204, 50.4940,
41.6593

Harmonies

Analogous

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



33.0697, 36.0036, 38.5670



33.1132, 36.0036, 40.3261



33.4513, 36.0036, 41.8256

Triad

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



33.1132, 36.0036, 40.3261



35.1246, 36.0036, 41.4632



34.4437, 36.0036, 35.9624

Complementary

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



33.1132, 36.0036, 40.3261



32.4522, 32.9759, 34.7933

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.



35.0011, 36.0036, 36.6901



33.1132, 36.0036, 40.3261



35.3974, 36.0036, 39.8436

Square

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



33.1132, 36.0036, 40.3261



34.6107, 36.0036, 42.4956



35.3519, 36.0036, 38.0986



33.8329, 36.0036, 36.0828

Rectangle

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



33.1132, 36.0036, 40.3261



33.8005, 36.0036, 42.4596



35.3519, 36.0036, 38.0986



34.6436, 36.0036, 36.1150

Sweetspot

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



33.1142, 36.0051, 40.3269



62.8147, 66.7490, 73.3248



32.1978, 35.6426, 35.3203



13.7480, 14.6006, 16.0310



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.



33.1142, 36.0051, 40.3269



59.3026, 64.9384, 73.1583



32.1825, 34.1413, 40.0175



7.2761, 8.0112, 9.0655



15.3141, 22.4120, 30.4342



0.3218, 0.4709, 0.6396

Inverse Universe

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



32.4522, 32.9759, 34.7933



57.8566, 58.3222, 61.0722



33.3419, 34.7557, 35.0888



7.0739, 7.0860, 7.3753



11.7390, 6.0517, 0.5504



0.2467, 0.1272, 0.0117

Previews

White Background



This preview shows how the XYZ color 33.1132, 36.0036, 40.3261 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 33.1132, 36.0036, 40.3261 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

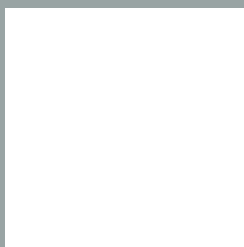
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1132, 36.0036, 40.3261

Background



This preview shows how black text looks on a background with the XYZ color 33.1132, 36.0036, 40.3261.



This preview shows how white text looks on a background with the XYZ color 33.1132, 36.0036,

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

33.1132, 36.0036, 40.3261

Protanopia

34.5763, 35.9909, 39.3070

Deuteranopia

36.5277, 35.9445, 40.6101



Tritanopia

34.1758, 35.9044, 45.6864

Trichromacy



Original Color

33.1132, 36.0036, 40.3261

Protanomaly

34.0284, 35.9586, 39.7975

Deuteranomaly

35.2987, 36.0737, 40.6998

Tritanomaly

33.7743, 36.0047, 43.6976

Monochromacy



Original Color

33.1132, 36.0036, 40.3261

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 33.1132, 36.0036, 40.3261 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, 164, 164)` looks like.

```
.text, #text, p{  
    color:rgb(153, 164, 164)  
}
```

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, 164, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 164, 164) }
```

Border

The CSS property to change the border of an element to XYZ 33.1132, 36.0036, 40.3261 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, 164, 164) }
```


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

```
.border{ border-color:rgb(153, 164, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 164, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 164, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 164, 164);  
box-shadow:4px 4px 4px 4px rgb(153, 164,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1132, 36.0036, 40.3261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 164, 164) }
```

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

```
.background{ background-color: rgb(153,  
164, 164) }
```

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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