

Converting Colors

XYZ(33.3098, 36.0036, 41.3840)

Have a look what the booklet for
XYZ(33.3098, 36.0036, 41.3840)
contains.

XYZ(33.2953, 36.0764, 41.2850)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2953, 36.0764,
41.2850)**

Conversions

Conversions Part 1

Format	Color
Hex	99A4A6
RGB	153, 164, 166
RGB Percent	60%, 64%, 65%
CMY	0.4000, 0.3568, 0.3490
CMYK	0.08, 0.01, 0.00, 0.35
HSL	189°, 7%, 63%
HSV	189°, 8%, 65%
XYZ	33.2953, 36.0764, 41.2850
YIQ	160.9390, -7.1980, -1.7100

Conversions

Conversions Part 2

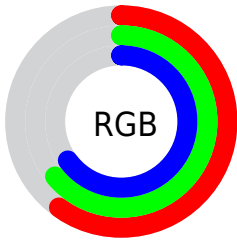
Format	Color
RYB	153, 159, 166
Decimal	10069158
CIELab	66.58, -3.47, -2.38
CIELCh	67, 4.212, 214.427
Yxy	36.0764, 0.3009, 0.3260
Android (android.graphics.Color)	4288259238 (0xFF99A4A6)
YUV	160.9390, 2.4951, -6.9625
Hunter-Lab	60.0636, -6.1628, 1.2913

Details

The XYZ color **33.2953, 36.0764, 41.2850** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.1972, 33.8495, 34.9216**, and the grayscale version is **33.8400, 35.6023, 38.7709**.

A 20% lighter version of the original color is **64.1148, 69.1489, 78.3745**, and **14.3109, 15.6280, 18.1818** is the 20% darker color. If you saturate the color by 10%, you get **29.9259, 33.6695, 40.9986**, and if you desaturate by 10%, it is **37.1119, 38.7294, 41.5965**.

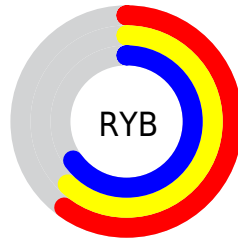
Distribution



Red (60%)

Green (64%)

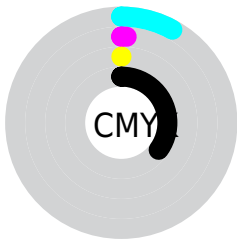
Blue (65%)



Red (60%)

Yellow (62%)

Blue (65%)

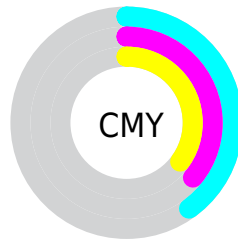


Cyan (8%)

Magenta (1%)

Yellow (0%)

Black (35%)



Cyan (40%)

Magenta (36%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2953, 36.0764, 41.2850 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 33.2953, 36.0764, 41.2850 by changing the saturation by 10% instead.

■ 33.2953, 36.0764,
41.2850

■ 33.2953, 36.0764,
41.2850

308.6198,
329.2944, 367.2222

■ 22.5131, 24.4932,
28.2205

■ 64.1879, 69.1500,
78.3747

■ 14.3531, 15.6999,
18.2514

■ 85.0290, 91.4091,
103.2370

■ 8.4500, 9.3120,
10.9593

109.9537,
117.9958, 132.8689

■ 4.4384, 4.9453,
5.9257

139.3275,
149.2942, 167.6890

■ 1.9530, 2.2152,
2.7319

173.5156,
185.6889, 208.1158

■ 0.6074, 0.7283,
0.9594

212.8835,

■ 0.0000, 0.0000,

227.5642, 254.5680

0.0000

257.7964,
275.3046, 307.4639

■ 33.2953, 36.0764,
41.2850

■ 33.2953, 36.0764,
41.2850

■ 29.9259, 33.6695,
40.9986

■ 37.1119, 38.7294,
41.5965

■ 26.9826, 31.4948,
40.7339

■ 41.3894, 41.6327,
41.9314

■ 24.4472, 29.5438,
40.4910

■ 46.1449, 44.7962,
42.2914

■ 22.2991, 27.8058,
40.2687

■ 51.3936, 48.2277,
42.6771

■ 20.5158, 26.2691,
40.0661

■ 57.1501, 51.9350,
43.0893

■ 19.0723, 24.9209,
39.8820

■ 63.4283, 55.9251,
43.5286

■ 17.9407, 23.7465,
39.7149

■ 64.8221, 57.4113,
43.7420

■ 17.0881, 22.7290,
39.5635

■ 65.3487, 58.4646,
43.9175

■ 16.4599, 21.8401,
39.4250

■ 65.8850, 59.5370,
44.0962

Harmonies

Analogous

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



33.0902, 36.0764, 39.5507



33.2953, 36.0764, 41.2850



33.7668, 36.0764, 42.5102

Triad

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



33.2953, 36.0764, 41.2850



35.3992, 36.0764, 40.8051



34.1957, 36.0764, 35.9070

Complementary

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



33.2953, 36.0764, 41.2850



33.1972, 33.8495, 34.9216

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.



34.8176, 36.0764, 36.2198



33.2953, 36.0764, 41.2850



35.5175, 36.0764, 39.0126

Square

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



33.2953, 36.0764, 41.2850



34.9823, 36.0764, 42.2272



35.3034, 36.0764, 37.3431



33.6060, 36.0764, 36.4753

Rectangle

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



33.2953, 36.0764, 41.2850



34.1715, 36.0764, 42.8537



35.3034, 36.0764, 37.3431



34.4079, 36.0764, 35.9127

Sweetspot

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



33.2963, 36.0779, 41.2858



64.3404, 68.2103, 75.2501



32.6859, 36.4103, 36.2942



14.4160, 15.2766, 16.8410



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.2963, 36.0779, 41.2858



59.5654, 64.8678, 74.8566



32.1707, 33.8266, 40.9106



7.6479, 8.3328, 9.6236



12.6930, 16.8463, 30.5582



0.3344, 0.4611, 0.7520

Inverse Universe

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



33.8188, 33.5706, 39.8210



60.6684, 59.5986, 71.7589



34.2999, 36.0549, 35.2892



7.7916, 7.6465, 9.2200



15.9075, 7.7717, 20.1221



0.4000, 0.1943, 0.5577

Previews

White Background



This preview shows how the XYZ color 33.2953, 36.0764, 41.2850 looks on a white background.

Color Contrast Check

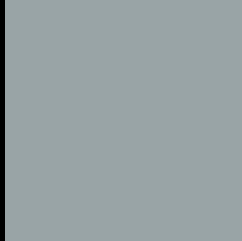
Large Text (above 18pt) WCAG AA × Fail

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 33.2953, 36.0764, 41.2850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

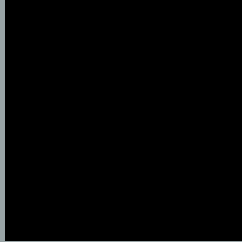
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

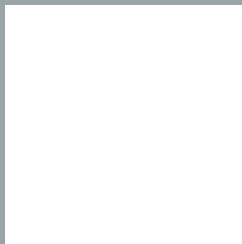
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2953, 36.0764, 41.2850

Background



This preview shows how black text looks on a background with the XYZ color 33.2953, 36.0764, 41.2850.



This preview shows how white text looks on a background with the XYZ color 33.2953, 36.0764,

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

33.2953, 36.0764, 41.2850

Protanopia

34.7556, 36.0626, 40.2509

Deuteranopia

36.7112, 36.0179, 41.5765



Tritanopia

34.3526, 36.2581, 45.7454

Trichromacy



Original Color

33.2953, 36.0764, 41.2850

Protanomaly

34.2091, 36.0309, 40.7489

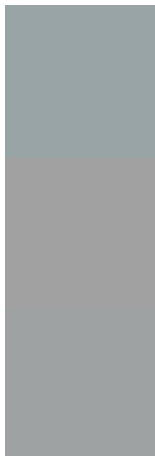
Deuteranomaly

35.4822, 36.1471, 41.6662

Tritanomaly

33.8700, 36.0430, 44.2016

Monochromacy



Original Color

33.2953, 36.0764, 41.2850

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.6317, 35.7541, 39.7790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2953, 36.0764, 41.2850 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(153, 164, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 164, 166) }
```

Border

The CSS property to change the border of an element to XYZ 33.2953, 36.0764, 41.2850 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, 166) }
```


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

```
.border{ border-color:rgb(153, 164, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 164, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 164, 166);  
box-shadow:4px 4px 4px 4px rgb(153, 164,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2953, 36.0764, 41.2850 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, 166) }
```

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

```
.background{ background-color: rgb(153,  
164, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor