

Converting Colors

XYZ(33.8618, 36.2821, 51.5737)

Have a look what the booklet for
XYZ(33.8618, 36.2821, 51.5737)
contains.

XYZ(33.9951, 36.4752, 51.7031)	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(33.9951, 36.4752,
51.7031)**

Conversions

Conversions Part 1

Format	Color
Hex	91A5BA
RGB	145, 165, 186
RGB Percent	57%, 65%, 73%
CMY	0.4314, 0.3529, 0.2706
CMYK	0.22, 0.11, 0.00, 0.27
HSL	211°, 23%, 65%
HSV	211°, 22%, 73%
XYZ	33.9951, 36.4752, 51.7031
YIQ	161.4140, -18.6610, 2.2910

Conversions

Conversions Part 2

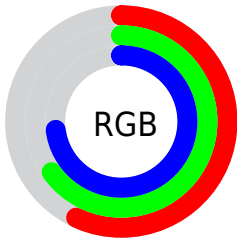
Format	Color
RYB	145, 158, 186
Decimal	9545146
CIELab	66.88, -2.33, -13.13
CIELCh	67, 13.338, 259.946
Yxy	36.4752, 0.2783, 0.2986
Android (android.graphics.Color)	4287735226 (0xFF91A5BA)
YUV	161.4140, 12.1209, -14.3951
Hunter-Lab	60.3947, -5.2163, -8.4811

Details

The XYZ color **33.9951, 36.4752, 51.7031** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.9971, 39.7559, 32.4071**, and the grayscale version is **34.0213, 35.7931, 38.9787**.

A 20% lighter version of the original color is **65.1734, 69.7393, 94.0304**, and **14.7549, 15.8834, 24.4784** is the 20% darker color. If you saturate the color by 10%, you get **29.3276, 31.6134, 51.0113**, and if you desaturate by 10%, it is **39.3294, 41.8726, 52.4643**.

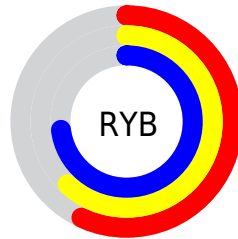
Distribution



Red (57%)

Green (65%)

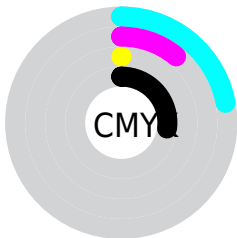
Blue (73%)



Red (57%)

Yellow (62%)

Blue (73%)

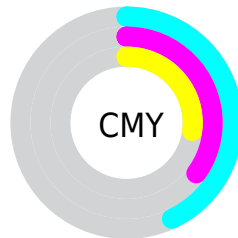


Cyan (22%)

Magenta (11%)

Yellow (0%)

Black (27%)



Cyan (43%)

Magenta (35%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9951, 36.4752, 51.7031 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 33.9951, 36.4752, 51.7031 by changing the saturation by 10% instead.

■ 33.9951, 36.4752,
51.7031

■ 33.9951, 36.4752,
51.7031

311.6965,
331.0328, 410.2136

■ 23.0527, 24.8014,
36.3879

■ 65.2704, 69.7649,
94.1153

■ 14.7533, 15.9292,
24.4418

■ 86.3340, 92.1496,
122.0494

■ 8.7316, 9.4740,
15.4465

111.5021,
118.8734, 155.0269

■ 4.6223, 5.0517,
8.9832

141.1399,
150.3207, 193.4663

■ 2.0598, 2.2776,
4.6336

175.6129,
186.8759, 237.7861

■ 0.6672, 0.7618,
1.9790

215.2865,

■ 0.0000, 0.0000,

228.9234, 288.4049

0.5423

260.5259,
276.8476, 345.7412

■ 0.0000, 0.0000,
0.0000

■ 33.9951, 36.4752,
51.7031

■ 33.9951, 36.4752,
51.7031

■ 29.3276, 31.6134,
51.0113

■ 39.3294, 41.8726,
52.4643

■ 25.2947, 27.2638,
50.3843

■ 45.3542, 47.8190,
53.2946

■ 21.8665, 23.4075,
49.8206

■ 52.0961, 54.3329,
54.1965

■ 19.0089, 20.0226,
49.3179

■ 59.5790, 61.4304,
55.1721

■ 16.6842, 17.0852,
48.8734

■ 67.8259, 69.1271,
56.2231

■ 14.8497, 14.5683,
48.4843

■ 76.2667, 77.1325,
57.3234

■ 13.4547, 12.4408,
48.1472

■ 78.8712, 82.3414,
58.1915

■ 12.5821, 10.9833,
47.9119

■ 81.6209, 87.8410,
59.1081

■ 84.5182, 93.6355,
60.0739

Harmonies

Analogous

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



32.2293, 36.4752, 48.8507



33.9951, 36.4752, 51.7031



36.0103, 36.4752, 51.1135

Triad

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



33.9951, 36.4752, 51.7031



38.4485, 36.4752, 36.0409



31.7803, 36.4752, 32.9800

Complementary

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



33.9951, 36.4752, 51.7031



38.9971, 39.7559, 32.4071

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.



33.3607, 36.4752, 30.1516



33.9951, 36.4752, 51.7031



37.2280, 36.4752, 31.7963

Square

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



33.9951, 36.4752, 51.7031



38.6345, 36.4752, 41.6885



35.3509, 36.4752, 29.7404



30.9838, 36.4752, 37.8053

Rectangle

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



33.9951, 36.4752, 51.7031



37.2221, 36.4752, 48.8661



35.3509, 36.4752, 29.7404



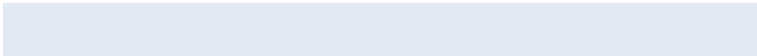
32.2346, 36.4752, 31.7848

Sweetspot

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



33.9962, 36.4767, 51.7039



76.5064, 81.0789, 95.8189



36.0738, 43.8731, 42.4042



16.7037, 17.7123, 21.0810



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.9962, 36.4767, 51.7039



57.7611, 62.1306, 93.1495



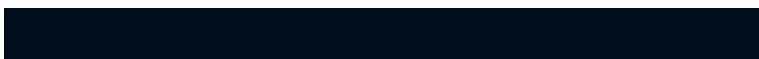
30.6661, 29.8165, 50.5939



8.8730, 9.4233, 11.4307



8.5393, 7.5382, 32.2580



0.3630, 0.3897, 1.1578

Inverse Universe

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



37.1675, 33.4074, 40.0883



64.5090, 55.9208, 68.3617



42.9201, 47.6019, 33.7148



9.1823, 9.0833, 10.3072



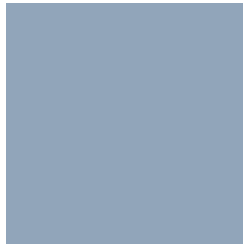
14.9239, 7.5433, 7.4861



0.5574, 0.2784, 0.4287

Previews

White Background



This preview shows how the XYZ color 33.9951, 36.4752, 51.7031 looks on a white background.

Color Contrast Check

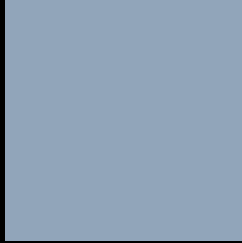
Large Text (above 18pt) WCAG AA × Fail

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 33.9951, 36.4752, 51.7031 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

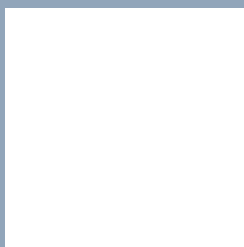
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9951, 36.4752, 51.7031

Background



This preview shows how black text looks on a background with the XYZ color 33.9951, 36.4752, 51.7031.



This preview shows how white text looks on a background with the XYZ color 33.9951, 36.4752,

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

33.9951, 36.4752, 51.7031

Protanopia

35.6947, 36.3214, 50.4768

Deuteranopia

36.9224, 36.1486, 52.0451



Tritanopia

33.2745, 36.4564, 47.9309

Trichromacy



Original Color

33.9951, 36.4752, 51.7031

Protanomaly

35.0037, 36.2135, 51.0439

Deuteranomaly

35.8151, 36.3467, 52.1417

Tritanomaly

33.5813, 36.5791, 49.5465

Monochromacy



Original Color

33.9951, 36.4752, 51.7031

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.6936, 35.7115, 43.1474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9951, 36.4752, 51.7031 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(145, 165, 186)` looks like.

```
.text, #text, p{  
    color:rgb(145, 165, 186)  
}
```

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(145, 165, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 165, 186) }
```

Border

The CSS property to change the border of an element to XYZ 33.9951, 36.4752, 51.7031 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(145, 165, 186) }
```


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

```
.border{ border-color:rgb(145, 165, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 165, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 165, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 165, 186);  
box-shadow:4px 4px 4px 4px rgb(145, 165,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9951, 36.4752, 51.7031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 165, 186) }
```

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

```
.background{ background-color: rgb(145,  
165, 186) }
```

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