

Converting Colors

XYZ(33.1238, 36.3875, 40.7023)

Have a look what the booklet for
XYZ(33.1238, 36.3875, 40.7023)
contains.

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Color

**XYZ(33.0092, 36.2062,
40.8460)**

Conversions

Conversions Part 1

Format	Color
Hex	97A5A5
RGB	151, 165, 165
RGB Percent	59%, 65%, 65%
CMY	0.4078, 0.3529, 0.3529
CMYK	0.08, 0.00, 0.00, 0.35
HSL	180°, 7%, 62%
HSV	180°, 8%, 65%
XYZ	33.0092, 36.2062, 40.8460
YIQ	160.8140, -8.3440, -2.9680

Conversions

Conversions Part 2

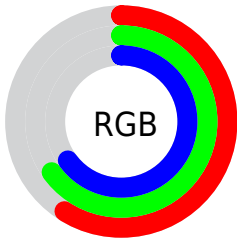
Format	Color
RYB	151, 158, 165
Decimal	9938341
CIELab	66.68, -4.91, -1.70
CIELCh	67, 5.197, 199.042
Yxy	36.2062, 0.2999, 0.3290
Android (android.graphics.Color)	4288128421 (0xFF97A5A5)
YUV	160.8140, 2.0637, -8.6069
Hunter-Lab	60.1716, -7.3779, 1.8726

Details

The XYZ color **33.0092, 36.2062, 40.8460** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1710, 32.3680, 33.8320**, and the grayscale version is **33.7843, 35.5437, 38.7071**.

A 20% lighter version of the original color is **63.6883, 69.3328, 77.7360**, and **14.1413, 15.7118, 17.9101** is the 20% darker color. If you saturate the color by 10%, you get **30.1588, 34.7378, 40.7119**, and if you desaturate by 10%, it is **36.2903, 37.8986, 41.0018**.

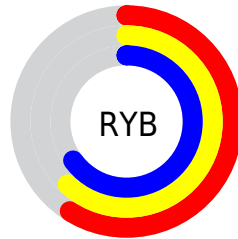
Distribution



Red (59%)

Green (65%)

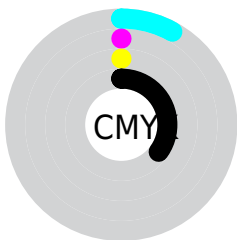
Blue (65%)



Red (59%)

Yellow (62%)

Blue (65%)

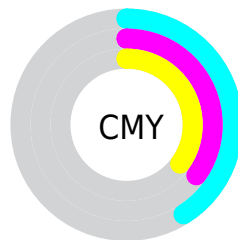


Cyan (8%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (41%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0092, 36.2062, 40.8460 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 33.0092, 36.2062, 40.8460 by changing the saturation by 10% instead.

■ 33.0092, 36.2062,
40.8460

■ 33.0092, 36.2062,
40.8460

307.3554,
329.8609, 365.3341

■ 22.2928, 24.5935,
27.8800

■ 63.7445, 69.3502,
77.7012

■ 14.1900, 15.7745,
17.9970

■ 84.4940, 91.6503,
102.4274

■ 8.3355, 9.3647,
10.7784

109.3186,
118.2816, 131.9108

■ 4.3640, 4.9798,
5.8057

138.5837,
149.6286, 166.5699

■ 1.9100, 2.2354,
2.6604

172.6546,
186.0757, 206.8233

■ 0.5827, 0.7392,
0.9234

211.8966,

■ 0.0000, 0.0000,

228.0071, 253.0894

0.0000

256.6751,
275.8074, 305.7868

■ 33.0092, 36.2062,
40.8460

■ 33.0092, 36.2062,
40.8460

■ 30.1588, 34.7378,
40.7119

■ 36.2903, 37.8986,
41.0018

■ 27.7182, 33.4796,
40.5962

■ 40.0157, 39.8191,
41.1776

■ 25.6696, 32.4236,
40.4989

■ 44.2022, 41.9773,
41.3750

■ 23.9926, 31.5591,
40.4189

■ 48.8648, 44.3809,
41.5946

■ 22.6649, 30.8747,
40.3553

■ 54.0177, 47.0373,
41.8372

■ 21.6619, 30.3576,
40.3069

■ 59.6748, 49.9536,
42.1034

■ 20.9557, 29.9936,
40.2724

■ 61.4894, 50.8890,
42.1898

■ 20.5137, 29.7658,
40.2503

■ 61.4897, 50.8892,
42.1913

■ 20.2762, 29.6434,
40.2377

■ 61.4900, 50.8893,
42.1928

Harmonies

Analogous

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



32.9558, 36.2062, 38.6084



33.0092, 36.2062, 40.8460



33.4354, 36.2062, 42.7692

Triad

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



33.0092, 36.2062, 40.8460



35.5625, 36.2062, 42.3170



34.6999, 36.2062, 35.3388

Complementary

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



33.0092, 36.2062, 40.8460



32.1710, 32.3680, 33.8320

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.



35.4093, 36.2062, 36.2549



33.0092, 36.2062, 40.8460



35.9123, 36.2062, 40.2478

Square

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



33.0092, 36.2062, 40.8460



34.9065, 36.2062, 43.6405



35.8559, 36.2062, 38.0323



33.9240, 36.2062, 35.4852

Rectangle

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



33.0092, 36.2062, 40.8460



33.8772, 36.2062, 43.5878



35.8559, 36.2062, 38.0323



34.9543, 36.2062, 35.5312

Sweetspot

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



33.0102, 36.2077, 40.8468



62.2092, 66.4368, 73.2963



31.8480, 35.7478, 34.5003



13.4996, 14.4726, 16.0193



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.



33.0102, 36.2077, 40.8468



58.1961, 64.3681, 73.1067



31.8218, 33.8305, 40.4518



7.2761, 8.0112, 9.0656



15.3147, 22.4122, 30.4376



0.3218, 0.4709, 0.6397

Inverse Universe

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



32.1710, 32.3680, 33.8320



56.4129, 56.2096, 58.2021



33.2914, 34.6092, 34.2045



7.0738, 7.0860, 7.3753



11.7390, 6.0516, 0.5501



0.2467, 0.1272, 0.0116

Previews

White Background



This preview shows how the XYZ color 33.0092, 36.2062, 40.8460 looks on a white background.

Color Contrast Check

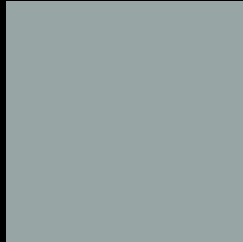
Large Text (above 18pt) WCAG AA × Fail

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 33.0092, 36.2062, 40.8460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

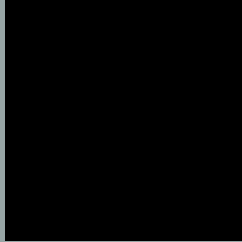
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

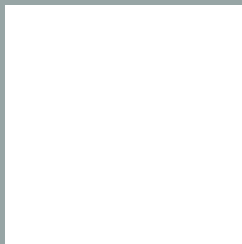
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0092, 36.2062, 40.8460

Background



This preview shows how black text looks on a background with the XYZ color 33.0092, 36.2062, 40.8460.



This preview shows how white text looks on a background with the XYZ color 33.0092, 36.2062,

40.8460.

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

33.0092, 36.2062, 40.8460

Protanopia

34.6656, 36.0266, 39.7771

Deuteranopia

36.7112, 36.0179, 41.5765



Tritanopia

34.0705, 36.1013, 46.2468

Trichromacy



Original Color

33.0092, 36.2062, 40.8460

Protanomaly

33.9192, 35.8919, 40.2621

Deuteranomaly

35.1796, 36.0018, 41.1713

Tritanomaly

33.6707, 36.2049, 44.2433

Monochromacy



Original Color

33.0092, 36.2062, 40.8460

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.3465, 35.6174, 39.2997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0092, 36.2062, 40.8460 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(151, 165, 165)` looks like.

```
.text, #text, p{  
    color:rgb(151, 165, 165)  
}
```

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(151, 165, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 165, 165) }
```

Border

The CSS property to change the border of an element to XYZ 33.0092, 36.2062, 40.8460 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(151, 165, 165) }
```


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

```
.border{ border-color:rgb(151, 165, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 165, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 165, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 165, 165);  
box-shadow:4px 4px 4px 4px rgb(151, 165,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0092, 36.2062, 40.8460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 165, 165) }
```

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

```
.background{ background-color: rgb(151,  
165, 165) }
```

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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