

Converting Colors

XYZ(31.9835, 33.6503, 36.6441)

Have a look what the booklet for
XYZ(31.9835, 33.6503, 36.6441)
contains.

XYZ(32.0474, 33.7164, 36.7171)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(32.0474, 33.7164,
36.7171)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9D9D
RGB	157, 157, 157
RGB Percent	62%, 62%, 62%
CMY	0.3843, 0.3843, 0.3843
CMYK	0.00, 0.00, 0.00, 0.38
HSL	123°, 0%, 62%
HSV	123°, 0%, 62%
XYZ	32.0474, 33.7164, 36.7171
YIQ	157.0000, 0.0000, -0.0000

Conversions

Conversions Part 2

Format	Color
RYB	157, 157, 157
Decimal	10329501
CIELab	64.74, 0.00, -0.01
CIELCh	65, 0.008, 296.171
Yxy	33.7164, 0.3127, 0.3290
Android (android.graphics.Color)	4288519581 (0xFF9D9D9D)
YUV	157.0000, 0.0000, 0.0000
Hunter-Lab	58.0658, -3.0984, 3.1549

Details

The XYZ color **32.0474, 33.7164, 36.7171** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.0487, 33.7172, 36.7190**, and the grayscale version is **32.0486, 33.7177, 36.7185**.

A 20% lighter version of the original color is **62.5785, 65.8375, 71.6970**, and **13.6994, 14.4128, 15.6956** is the 20% darker color. If you saturate the color by 10%, you get **27.9729, 31.7562, 30.2313**, and if you desaturate by 10%, it is **36.6755, 35.9456, 44.0553**.

Distribution



Red (62%)

Green (62%)

Blue (62%)



Red (62%)

Yellow (62%)

Blue (62%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (38%)



Cyan (38%)

Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0474, 33.7164, 36.7171 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 32.0474, 33.7164, 36.7171 by changing the saturation by 10% instead.

■ 32.0474, 33.7164,
36.7171

■ 32.0474, 33.7164,
36.7171

303.0766,
318.8656, 347.2158

■ 21.5534, 22.6758,
24.6945

■ 62.2501, 65.4924,
71.3189

■ 13.6439, 14.3543,
15.6326

■ 82.6895, 86.9966,
94.7352

■ 7.9535, 8.3675,
9.1130

107.1748,
112.7575, 122.7864

■ 4.1167, 4.3310,
4.7172

136.0713,
143.1594, 155.8911

■ 1.7684, 1.8604,
2.0265

169.7444,
178.5868, 194.4679

■ 0.4985, 0.5244,
0.5715

208.5594,

■ 0.0000, 0.0000,

219.4240, 238.9353

0.0000

252.8816,
266.0555, 289.7117

■ 32.0474, 33.7164,
36.7171

■ 32.0474, 33.7164,
36.7171

■ 27.9729, 31.7562,
30.2313

■ 36.6755, 35.9456,
44.0553

■ 24.4287, 30.0509,
24.5649

■ 41.8740, 38.4490,
52.2730

■ 21.3937, 28.5911,
19.6861

■ 47.6623, 41.2370,
61.3988

■ 18.8446, 27.3657,
15.5598

■ 54.0582, 44.3182,
71.4592

■ 16.7561, 26.3624,
12.1488

■ 61.0786, 47.7007,
82.4798

■ 15.1008, 25.5679,
9.4124

■ 68.7399, 51.3924,
94.4851

■ 13.8481, 24.9674,
7.3057

■ 71.3476, 52.5953,
100.9992

■ 12.9638, 24.5444,
5.7788

■ 12.4076, 24.2794,
4.7737

Harmonies

Analogous

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



32.0463, 33.7164, 36.7177



32.0474, 33.7164, 36.7171



32.0483, 33.7164, 36.7149

Triad

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



32.0474, 33.7164, 36.7171



32.0477, 33.7164, 36.7062



32.0442, 33.7164, 36.7110

Complementary

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



32.0474, 33.7164, 36.7171



32.0487, 33.7172, 36.7190

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.



32.0446, 33.7164, 36.7079



32.0474, 33.7164, 36.7171



32.0466, 33.7164, 36.7051

Square

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



32.0474, 33.7164, 36.7171



32.0484, 33.7164, 36.7086



32.0455, 33.7164, 36.7058



32.0444, 33.7164, 36.7142

Rectangle

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



32.0474, 33.7164, 36.7171



32.0486, 33.7164, 36.7129



32.0455, 33.7164, 36.7058



32.0443, 33.7164, 36.7099

Sweetspot

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



32.0484, 33.7178, 36.7178



57.3938, 60.3827, 65.7568



32.0489, 33.7181, 36.7178



12.6291, 13.2868, 14.4694



74.8435, 78.7412, 85.7492

Same Dimension

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



32.0484, 33.7178, 36.7178



57.3938, 60.3827, 65.7568



32.0485, 33.7179, 36.7185



7.4413, 7.8288, 8.5256



9.8254, 19.5981, 3.4376



0.1786, 0.3516, 0.0769

Inverse Universe

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



32.0487, 33.7172, 36.7190



57.3938, 60.3827, 65.7568



32.0485, 33.7172, 36.7183



7.4413, 7.8288, 8.5256



15.7933, 7.6219, 24.2263



0.2857, 0.1376, 0.4507

Previews

White Background



This preview shows how the XYZ color 32.0474, 33.7164, 36.7171 looks on a white background.

Color Contrast Check

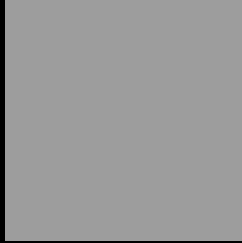
Large Text (above 18pt) WCAG AA × Fail

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 32.0474, 33.7164, 36.7171 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 32.0474, 33.7164, 36.7171

Background



This preview shows how black text looks on a background with the XYZ color 32.0474, 33.7164, 36.7171.

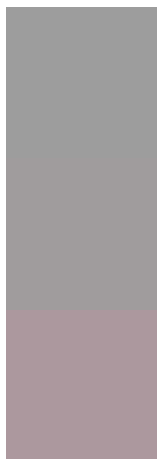


This preview shows how white text looks on a background with the XYZ color 32.0474, 33.7164,

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

32.0474, 33.7164, 36.7171

Protanopia

32.4715, 33.6848, 36.6887

Deuteranopia

34.4130, 33.6958, 37.0379



Tritanopia

33.0873, 33.6408, 41.7952

Trichromacy



Original Color

32.0474, 33.7164, 36.7171

Protanomaly

32.2723, 33.5822, 36.6794

Deuteranomaly

33.6635, 33.7953, 37.0966

Tritanomaly

32.6899, 33.7264, 39.9089

Monochromacy



Original Color

32.0474, 33.7164, 36.7171

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.0474, 33.7164, 36.7171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0474, 33.7164, 36.7171 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(157, 157, 157)` looks like.

```
.text, #text, p{  
    color:rgb(157, 157, 157)  
}
```

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(157, 157, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 157, 157) }
```

Border

The CSS property to change the border of an element to XYZ 32.0474, 33.7164, 36.7171 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(157, 157, 157) }
```

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

```
.border{ border-color:rgb(157, 157, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 157, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 157, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 157, 157);  
box-shadow:4px 4px 4px 4px rgb(157, 157,  
157) }
```


Background

The CSS property to change the background color of an element to XYZ 32.0474, 33.7164, 36.7171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 157, 157) }
```

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

```
.background{ background-color: rgb(157,  
157, 157) }
```

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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