

Converting Colors

XYZ(31.8802, 37.1491, 43.9163)

Have a look what the booklet for
XYZ(31.8802, 37.1491, 43.9163)
contains.

XYZ(31.9053, 37.2170, 44.0301)	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(31.9053, 37.2170,
44.0301)**

Conversions

Conversions Part 1

Format	Color
Hex	87ABAB
RGB	135, 171, 171
RGB Percent	53%, 67%, 67%
CMY	0.4706, 0.3294, 0.3294
CMYK	0.21, 0.00, 0.00, 0.33
HSL	180°, 18%, 60%
HSV	180°, 21%, 67%
XYZ	31.9053, 37.2170, 44.0301
YIQ	160.2360, -21.4560, -7.6320

Conversions

Conversions Part 2

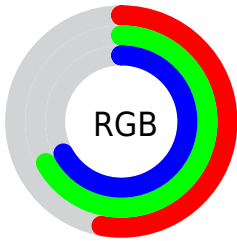
Format	Color
R _Y B	135, 153, 171
Decimal	8891307
CIE Lab	67.44, -12.16, -4.04
CIE LCh	67, 12.813, 198.360
Yxy	37.2170, 0.2820, 0.3289
Android (android.graphics.Color)	4287081387 (0xFF87ABAB)
YUV	160.2360, 5.3067, -22.1320
Hunter-Lab	61.0057, -13.4066, -0.0878

Details

The XYZ color **31.9053, 37.2170, 44.0301** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.8331, 27.7362, 26.7045**, and the grayscale version is **33.5067, 35.2517, 38.3891**.

A 20% lighter version of the original color is **61.9101, 70.7025, 82.3354**, and **13.5828, 16.4104, 19.9044** is the 20% darker color. If you saturate the color by 10%, you get **29.3721, 35.9121, 43.9118**, and if you desaturate by 10%, it is **34.8826, 38.7528, 44.1708**.

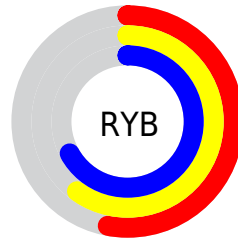
Distribution



Red (53%)

Green (67%)

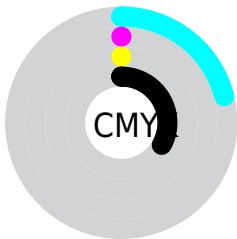
Blue (67%)



Red (53%)

Yellow (60%)

Blue (67%)

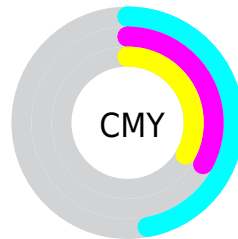


Cyan (21%)

Magenta (0%)

Yellow (0%)

Black (33%)



Cyan (47%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9053, 37.2170, 44.0301 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 31.9053, 37.2170, 44.0301 by changing the saturation by 10% instead.

■ 31.9053, 37.2170,
44.0301

■ 31.9053, 37.2170,
44.0301

302.4406,
334.2491, 378.8760

■ 21.4444, 25.3755,
30.3568

■ 62.0288, 70.9064,
82.5660

■ 13.5635, 16.3571,
19.8552

■ 82.4221, 93.5232,
108.2657

■ 7.8974, 9.7772,
12.1068

■ 106.8569,
120.5004, 138.8112

■ 4.0806, 5.2515,
6.6930

135.6985,
152.2227, 174.6212

■ 1.7478, 2.3956,
3.1954

169.3123,
189.0743, 216.1141

■ 0.4859, 0.8236,
1.1952

208.0637,

■ 0.0000, 0.0000,

231.4396, 263.7085

0.0000

252.3180,
279.7031, 317.8230

■ 31.9053, 37.2170,
44.0301

■ 31.9053, 37.2170,
44.0301

■ 29.3721, 35.9121,
43.9118

■ 34.8826, 38.7528,
44.1708

■ 27.2588, 34.8226,
43.8124

■ 38.3203, 40.5250,
44.3322

■ 25.5435, 33.9384,
43.7316

■ 42.2381, 42.5447,
44.5160

■ 24.2014, 33.2465,
43.6682

■ 46.6534, 44.8208,
44.7232

■ 23.2048, 32.7327,
43.6211

■ 51.5828, 47.3620,
44.9544

■ 22.5219, 32.3807,
43.5886

■ 57.0421, 50.1764,
45.2104

■ 22.1156, 32.1713,
43.5690

■ 63.0465, 53.2717,
45.4920

■ 21.9136, 32.0671,
43.5591

■ 63.1552, 53.3278,
45.4976

■ 63.1553, 53.3278,
45.4981

Harmonies

Analogous

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



31.7984, 37.2170, 38.3773



31.9053, 37.2170, 44.0301



32.9205, 37.2170, 49.1655

Triad

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



31.9053, 37.2170, 44.0301



38.2750, 37.2170, 48.1517



36.1420, 37.2170, 30.8161

Complementary

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



31.9053, 37.2170, 44.0301



29.8331, 27.7362, 26.7045

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.



37.9457, 37.2170, 32.9577



31.9053, 37.2170, 44.0301



39.2074, 37.2170, 42.7472

Square

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



31.9053, 37.2170, 44.0301



36.5779, 37.2170, 51.6928



39.0846, 37.2170, 37.2072



34.1961, 37.2170, 31.0906

Rectangle

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



31.9053, 37.2170, 44.0301



33.9976, 37.2170, 51.4438



39.0846, 37.2170, 37.2072



36.7863, 37.2170, 31.2686

Sweetspot

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



31.9064, 37.2185, 44.0309



65.4103, 70.9169, 79.2421



29.0257, 36.0774, 28.3563



14.5012, 15.7706, 17.6673



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.9064, 37.2185, 44.0309



55.0530, 65.5775, 78.7556



28.8332, 31.0718, 43.0076



8.2363, 9.0721, 10.2696



16.5189, 24.1728, 32.8357



0.4595, 0.6725, 0.9135

Inverse Universe

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



29.8331, 27.7362, 26.7045



50.7039, 45.6870, 42.4108



32.4624, 32.9951, 27.5802



8.0053, 8.0154, 8.3387



12.6607, 6.5268, 0.5928



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 31.9053, 37.2170, 44.0301 looks on a white background.

Color Contrast Check

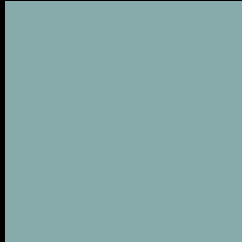
Large Text (above 18pt) WCAG AA × Fail

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 31.9053, 37.2170, 44.0301 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

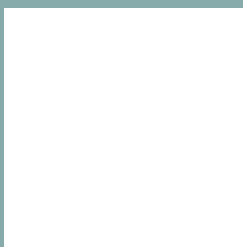
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9053, 37.2170, 44.0301

Background



This preview shows how black text looks on a background with the XYZ color 31.9053, 37.2170, 44.0301.

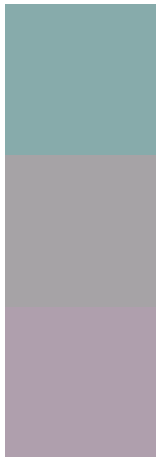


This preview shows how white text looks on a background with the XYZ color 31.9053, 37.2170,

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

31.9053, 37.2170, 44.0301

Protanopia

35.7060, 37.0546, 41.3467

Deuteranopia

37.6202, 36.9274, 44.6801



Tritanopia

33.0517, 37.1132, 50.2213

Trichromacy



Original Color

31.9053, 37.2170, 44.0301

Protanomaly

34.2217, 37.0682, 42.3970

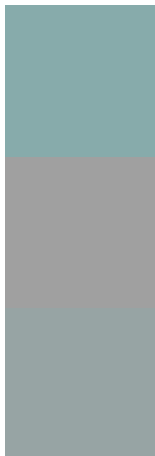
Deuteranomaly

35.0408, 36.6465, 44.2564

Tritanomaly

32.6648, 37.2384, 48.1139

Monochromacy



Original Color

31.9053, 37.2170, 44.0301

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.7388, 35.8106, 40.3086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9053, 37.2170, 44.0301 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(135, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 171)  
}
```

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(135, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 171) }
```

Border

The CSS property to change the border of an element to XYZ 31.9053, 37.2170, 44.0301 is called "border". The border property can be set on classes, ids or directly on the HTML element.

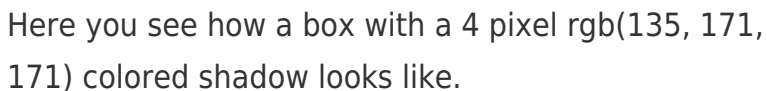
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 171, 171) }
```


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

```
.border{ border-color:rgb(135, 171, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 171, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 171, 171); box-shadow:4px 4px 4px 4px rgb(135, 171, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9053, 37.2170, 44.0301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 171) }
```

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

```
.background{ background-color: rgb(135,  
171, 171) }
```

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