

Converting Colors

XYZ(31.7796, 37.1365, 35.6794)

Have a look what the booklet for
XYZ(31.7796, 37.1365, 35.6794)
contains.

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Color

**XYZ(31.8015, 37.0691,
35.6159)**

Conversions

Conversions Part 1

Format	Color
Hex	91AA99
RGB	145, 170, 153
RGB Percent	57%, 67%, 60%
CMY	0.4314, 0.3333, 0.4000
CMYK	0.15, 0.00, 0.10, 0.33
HSL	139°, 13%, 62%
HSV	139°, 15%, 67%
XYZ	31.8015, 37.0691, 35.6159
YIQ	160.5870, -9.4430, -10.5870

Conversions

Conversions Part 2

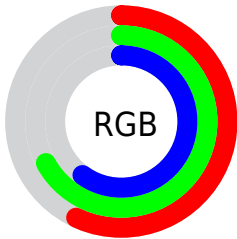
Format	Color
RYB	145, 164, 170
Decimal	9546393
CIELab	67.33, -12.06, 5.87
CIELCh	67, 13.413, 154.058
Yxy	37.0691, 0.3044, 0.3548
Android (android.graphics.Color)	4287736473 (0xFF91AA99)
YUV	160.5870, -3.7404, -13.6698
Hunter-Lab	60.8844, -13.3125, 7.9359

Details

The XYZ color **31.8015, 37.0691, 35.6159** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2258, 31.4063, 38.4949**, and the grayscale version is **33.7055, 35.4608, 38.6168**.

A 20% lighter version of the original color is **61.7409, 70.4975, 69.3848**, and **13.4928, 16.2959, 15.0046** is the 20% darker color. If you saturate the color by 10%, you get **28.1182, 35.2764, 30.6986**, and if you desaturate by 10%, it is **36.0277, 39.1331, 41.0432**.

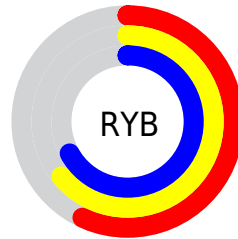
Distribution



Red (57%)

Green (67%)

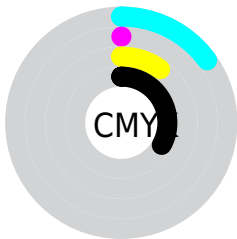
Blue (60%)



Red (57%)

Yellow (64%)

Blue (67%)

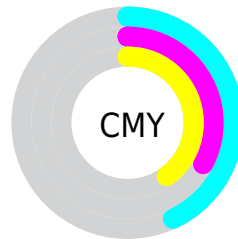


Cyan (15%)

Magenta (0%)

Yellow (10%)

Black (33%)



Cyan (43%)

Magenta (33%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8015, 37.0691, 35.6159 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 31.8015, 37.0691, 35.6159 by changing the saturation by 10% instead.

■ 31.8015, 37.0691,
35.6159

■ 31.8015, 37.0691,
35.6159

301.9754,
333.6096, 342.2651

■ 21.3647, 25.2610,
23.8504

■ 61.8671, 70.6790,
69.6012

■ 13.5049, 16.2716,
15.0115

■ 82.2266, 93.2497,
92.6580

■ 7.8565, 9.7166,
8.6807

106.6244,
120.1766, 120.3156

■ 4.0543, 5.2114,
4.4396

135.4259,
151.8442, 152.9926

■ 1.7329, 2.3718,
1.8695

168.9964,
188.6370, 191.1075

■ 0.4767, 0.8113,
0.4732

207.7012,

■ 0.0000, 0.0000,

230.9392, 235.0788

0.0000

251.9058,
279.1352, 285.3252

■ 31.8015, 37.0691,
35.6159

■ 31.8015, 37.0691,
35.6159

■ 28.1182, 35.2764,
30.6986

■ 36.0277, 39.1331,
41.0432

■ 24.9522, 33.7389,
26.2740

■ 40.8148, 41.4742,
46.9920

■ 22.2805, 32.4462,
22.3276

■ 46.1839, 44.1041,
53.4769

■ 20.0771, 31.3851,
18.8432

■ 52.1539, 47.0322,
60.5107

■ 18.3134, 30.5414,
15.8036

■ 58.7428, 50.2677,
68.1061

■ 16.9577, 29.8989,
13.1905

■ 65.9682, 53.8192,
76.2753

■ 15.9736, 29.4394,
10.9845

■ 70.4561, 55.9471,
84.8714

■ 15.3174, 29.1407,
9.1643

■ 72.1712, 56.6332,
93.9035

■ 15.0507, 29.0210,
8.3475

■ 73.6655, 57.2309,
101.7718

Harmonies

Analogous

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



33.0685, 37.0691, 31.7023



31.8015, 37.0691, 35.6159



31.4406, 37.0691, 41.1672

Triad

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



31.8015, 37.0691, 35.6159



35.5131, 37.0691, 52.7206



38.6054, 37.0691, 34.3564

Complementary

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



31.8015, 37.0691, 35.6159



33.2258, 31.4063, 38.4949

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.



39.3188, 37.0691, 39.5673



31.8015, 37.0691, 35.6159



37.4901, 37.0691, 50.4704

Square

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



31.8015, 37.0691, 35.6159



33.5344, 37.0691, 51.4045



38.9030, 37.0691, 45.5119



36.9882, 37.0691, 31.0262

Rectangle

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



31.8015, 37.0691, 35.6159



31.7503, 37.0691, 45.1479



38.9030, 37.0691, 45.5119



38.9617, 37.0691, 35.9268

Sweetspot

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



31.8025, 37.0707, 35.6167



65.8859, 71.2538, 75.1215



34.4042, 38.4857, 32.4036



14.5578, 15.8239, 16.5821



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.



31.8025, 37.0707, 35.6167



55.1691, 66.0242, 61.2852



32.8825, 37.5027, 41.3037



7.5320, 8.4458, 8.5216



11.0939, 21.3563, 6.2613



0.2930, 0.5288, 0.2741

Inverse Universe

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



33.2258, 31.4063, 38.4949



58.3068, 53.5349, 67.6287



32.1756, 30.9862, 32.9642



7.7382, 7.6252, 8.9388



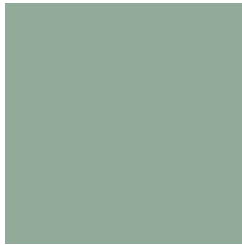
14.5229, 7.2179, 12.8308



0.3751, 0.1843, 0.4267

Previews

White Background



This preview shows how the XYZ color 31.8015, 37.0691, 35.6159 looks on a white background.

Color Contrast Check

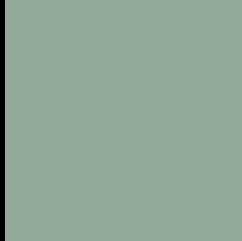
Large Text (above 18pt) WCAG AA × Fail

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 31.8015, 37.0691, 35.6159 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

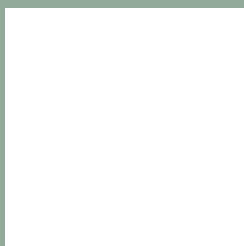
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8015, 37.0691, 35.6159

Background



This preview shows how black text looks on a background with the XYZ color 31.8015, 37.0691, 35.6159.



This preview shows how white text looks on a background with the XYZ color 31.8015, 37.0691,

35.6159.

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

31.8015, 37.0691, 35.6159

Protanopia

35.0996, 36.9104, 33.7082

Deuteranopia

37.4347, 36.7654, 36.1338



Tritanopia

34.3506, 37.0111, 47.9812

Trichromacy



Original Color

31.8015, 37.0691, 35.6159

Protanomaly

33.8392, 37.0515, 34.2223

Deuteranomaly

35.1153, 36.6088, 35.7873

Tritanomaly

33.2872, 36.8356, 43.3858

Monochromacy



Original Color

31.8015, 37.0691, 35.6159

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.9646, 35.9881, 37.5567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8015, 37.0691, 35.6159 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, 170, 153)` looks like.

```
.text, #text, p{  
    color:rgb(145, 170, 153)  
}
```

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, 170, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 170, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.8015, 37.0691, 35.6159 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, 170, 153) }
```


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

```
.border{ border-color:rgb(145, 170, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 170, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 170, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 170, 153);  
box-shadow:4px 4px 4px 4px rgb(145, 170,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8015, 37.0691, 35.6159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 170, 153) }
```

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

```
.background{ background-color: rgb(145,  
170, 153) }
```

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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