

Converting Colors

XYZ(31.0160, 30.1997, 37.3391)

Have a look what the booklet for
XYZ(31.0160, 30.1997, 37.3391)
contains.

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Color

**XYZ(31.1685, 30.3659,
37.4762)**

Conversions

Conversions Part 1

Format	Color
Hex	A191A0
RGB	161, 145, 160
RGB Percent	63%, 57%, 63%
CMY	0.3686, 0.4314, 0.3725
CMYK	0.00, 0.10, 0.01, 0.37
HSL	304°, 8%, 60%
HSV	304°, 10%, 63%
XYZ	31.1685, 30.3659, 37.4762
YIQ	151.4940, 4.7210, 8.0570

Conversions

Conversions Part 2

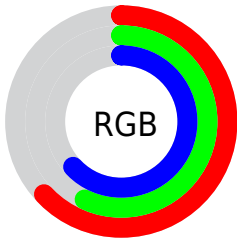
Format	Color
RYB	161, 145, 160
Decimal	10588576
CIELab	61.97, 8.72, -5.73
CIELCh	62, 10.439, 326.692
Yxy	30.3659, 0.3148, 0.3067
Android (android.graphics.Color)	4288778656 (0xFFA191A0)
YUV	151.4940, 4.1935, 8.3368
Hunter-Lab	55.1053, 4.5285, -1.7485

Details

The XYZ color **31.1685, 30.3659, 37.4762** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.6114, 33.5856, 32.1176**, and the grayscale version is **29.6090, 31.1510, 33.9234**.

A 20% lighter version of the original color is **61.0081, 60.3521, 72.7236**, and **13.1592, 12.5398, 16.1948** is the 20% darker color. If you saturate the color by 10%, you get **28.7933, 25.7553, 36.2522**, and if you desaturate by 10%, it is **33.8949, 35.6767, 38.8215**.

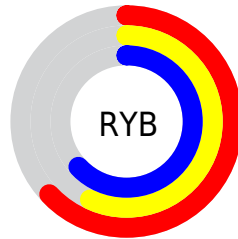
Distribution



Red (63%)

Green (57%)

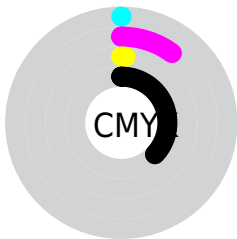
Blue (63%)



Red (63%)

Yellow (57%)

Blue (63%)

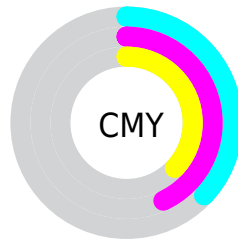


Cyan (0%)

Magenta (10%)

Yellow (1%)

Black (37%)



Cyan (37%)

Magenta (43%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1685, 30.3659, 37.4762 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 31.1685, 30.3659, 37.4762 by changing the saturation by 10% instead.

■ 31.1685, 30.3659,
37.4762

■ 31.1685, 30.3659,
37.4762

299.1269,
303.6063, 350.5982

■ 20.8796, 20.1165,
25.2777

■ 60.8793, 60.2403,
72.4991

■ 13.1480, 12.4797,
16.0632

■ 81.0320, 80.6342,
96.1606

■ 7.6083, 7.0713,
9.4140

105.2033,
105.1782, 124.4801

■ 3.8950, 3.5067,
4.9117

133.7586,
134.2570, 157.8763

■ 1.6429, 1.4017,
2.1377

167.0632,
168.2547, 196.7677

■ 0.4201, 0.2179,
0.6381

205.4826,

■ 0.0000, 0.0000,

207.5560, 241.5728

0.0000

249.3820,
252.5450, 292.7101

■ 31.1685, 30.3659,
37.4762

■ 31.1685, 30.3659,
37.4762

■ 28.7933, 25.7553,
36.2522

■ 33.8949, 35.6767,
38.8215

■ 26.7519, 21.8118,
35.1426

■ 36.9834, 41.7112,
40.2907

■ 25.0297, 18.5056,
34.1429

■ 40.4481, 48.4967,
41.8889

■ 23.6099, 15.8027,
33.2474

■ 44.3012, 56.0580,
43.6200

■ 22.4738, 13.6665,
32.4501

■ 48.5545, 64.4185,
45.4881

■ 21.6013, 12.0560,
31.7440

■ 53.2192, 73.6008,
47.4969

■ 20.9690, 10.9251,
31.1215

■ 57.4375, 81.8889,
49.3604

■ 20.5498, 10.2191,
30.5736

■ 57.5309, 81.9263,
49.8526

■ 20.2806, 9.8119,
30.0790

■ 57.6251, 81.9640,
50.3486

Harmonies

Analogous

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



30.0869, 30.3659, 40.4338



31.1685, 30.3659, 37.4762



31.6311, 30.3659, 33.5098

Triad

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



31.1685, 30.3659, 37.4762



29.0174, 30.3659, 25.9541



26.5250, 30.3659, 36.6454

Complementary

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



31.1685, 30.3659, 37.4762



29.6114, 33.5856, 32.1176

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.



26.2592, 30.3659, 32.6208



31.1685, 30.3659, 37.4762



27.6705, 30.3659, 26.6478

Square

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



31.1685, 30.3659, 37.4762



30.3642, 30.3659, 27.0346



26.6720, 30.3659, 29.0112



27.4100, 30.3659, 39.9276

Rectangle

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



31.1685, 30.3659, 37.4762



31.5156, 30.3659, 30.8999



26.6720, 30.3659, 29.0112



26.3615, 30.3659, 35.3254

Sweetspot

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



31.1694, 30.3672, 37.4769



59.1104, 60.7891, 68.7502



28.3783, 28.9182, 37.8048



12.8789, 13.1665, 15.0363



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



31.1694, 30.3672, 37.4769



54.7925, 52.3852, 66.5962



30.5082, 30.1028, 33.9953



7.3451, 7.1945, 8.8038



16.2016, 7.8367, 24.0498



0.3458, 0.1668, 0.5334

Inverse Universe

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



31.1694, 30.3672, 37.4769



54.7925, 52.3852, 66.5962



30.2390, 33.8367, 35.4229



7.3451, 7.1945, 8.8038



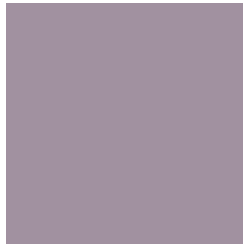
16.2016, 7.8367, 24.0498



0.3458, 0.1668, 0.5334

Previews

White Background



This preview shows how the XYZ color 31.1685, 30.3659, 37.4762 looks on a white background.

Color Contrast Check

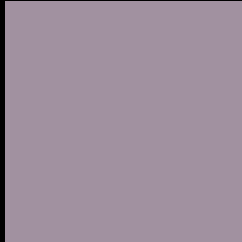
Large Text (above 18pt) WCAG AA × Fail

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 31.1685, 30.3659, 37.4762 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 31.1685, 30.3659, 37.4762

Background



This preview shows how black text looks on a background with the XYZ color 31.1685, 30.3659, 37.4762.



This preview shows how white text looks on a background with the XYZ color 31.1685, 30.3659,

37.4762.

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

31.1685, 30.3659, 37.4762

Protanopia

29.6635, 30.4931, 38.5047

Deuteranopia

30.9678, 30.2624, 37.4668



Tritanopia

31.0626, 30.5692, 36.1615

Trichromacy



Original Color

31.1685, 30.3659, 37.4762

Protanomaly

30.1598, 30.5253, 38.0206

Deuteranomaly

30.9678, 30.2624, 37.4668

Tritanomaly

31.1484, 30.6035, 36.6131

Monochromacy



Original Color

31.1685, 30.3659, 37.4762

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.0977, 30.7965, 34.9299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1685, 30.3659, 37.4762 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(161, 145, 160)` looks like.

```
.text, #text, p{  
    color:rgb(161, 145, 160)  
}
```

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(161, 145, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 145, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.1685, 30.3659, 37.4762 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(161, 145, 160) }
```


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

```
.border{ border-color:rgb(161, 145, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 145, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 145, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 145, 160);  
box-shadow:4px 4px 4px 4px rgb(161, 145,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1685, 30.3659, 37.4762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 145, 160) }
```

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

```
.background{ background-color: rgb(161,  
145, 160) }
```

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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