

Converting Colors

XYZ(30.7765, 33.8132, 38.1978)

Have a look what the booklet for
XYZ(30.7765, 33.8132, 38.1978)
contains.

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Color

**XYZ(30.7700, 33.7907,
38.1582)**

Conversions

Conversions Part 1

Format	Color
Hex	92A0A0
RGB	146, 160, 160
RGB Percent	57%, 63%, 63%
CMY	0.4274, 0.3725, 0.3725
CMYK	0.09, 0.00, 0.00, 0.37
HSL	180°, 7%, 60%
HSV	180°, 9%, 63%
XYZ	30.7700, 33.7907, 38.1582
YIQ	155.8140, -8.3440, -2.9680

Conversions

Conversions Part 2

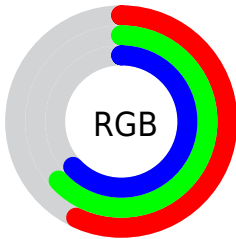
Format	Color
RYB	146, 153, 160
Decimal	9609376
CIELab	64.80, -4.94, -1.70
CIElCh	65, 5.224, 199.025
Yxy	33.7907, 0.2996, 0.3290
Android (android.graphics.Color)	4287799456 (0xFF92A0A0)
YUV	155.8140, 2.0637, -8.6069
Hunter-Lab	58.1298, -7.2412, 1.7710

Details

The XYZ color **30.7700, 33.7907, 38.1582** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.9656, 30.1075, 31.4276**, and the grayscale version is **31.5116, 33.1526, 36.1032**.

A 20% lighter version of the original color is **60.3856, 65.7865, 73.8054**, and **12.9483, 14.4743, 16.5794** is the 20% darker color. If you saturate the color by 10%, you get **28.1225, 32.4268, 38.0336**, and if you desaturate by 10%, it is **33.8176, 35.3627, 38.3029**.

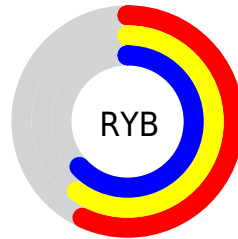
Distribution



Red (57%)

Green (63%)

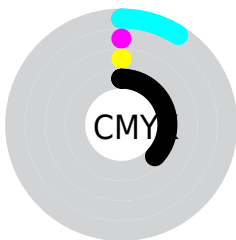
Blue (63%)



Red (57%)

Yellow (60%)

Blue (63%)

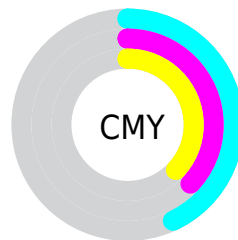


Cyan (9%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (43%)

Magenta (37%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7700, 33.7907, 38.1582 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 30.7700, 33.7907, 38.1582 by changing the saturation by 10% instead.

■ 30.7700, 33.7907,
38.1582

■ 30.7700, 33.7907,
38.1582

297.3231,
319.1978, 353.6166

■ 20.5747, 22.7329,
25.8027

■ 60.2561, 65.6081,
73.5567

■ 12.9242, 14.3964,
16.4517

■ 80.2776, 87.1364,
97.4367

■ 7.4530, 8.3969,
9.6865

104.3053,
112.9236, 125.9954

■ 3.7958, 4.3499,
5.0887

132.7045,
143.3542, 159.6512

■ 1.5873, 1.8712,
2.2398

165.8405,
178.8125, 198.8227

■ 0.3841, 0.5310,
0.6972

204.0787,

■ 0.0000, 0.0000,

219.6829, 243.9284

0.0000

247.7845,
266.3499, 295.3869

■ 30.7700, 33.7907,
38.1582

■ 30.7700, 33.7907,
38.1582

■ 28.1225, 32.4268,
38.0336

■ 33.8176, 35.3627,
38.3029

■ 25.8557, 31.2582,
37.9261

■ 37.2778, 37.1464,
38.4663

■ 23.9529, 30.2774,
37.8357

■ 41.1662, 39.1510,
38.6496

■ 22.3953, 29.4744,
37.7614

■ 45.4969, 41.3835,
38.8537

■ 21.1621, 28.8387,
37.7022

■ 50.2830, 43.8508,
39.0791

■ 20.2304, 28.3585,
37.6572

■ 55.5374, 46.5595,
39.3264

■ 19.5745, 28.0203,
37.6251

■ 60.1586, 48.9418,
39.5441

■ 19.1640, 27.8088,
37.6045

■ 60.1589, 48.9419,
39.5455

■ 18.9393, 27.6930,
37.5926

■ 60.1591, 48.9420,
39.5469

Harmonies

Analogous

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



30.7190, 33.7907, 36.0099



30.7700, 33.7907, 38.1582



31.1786, 33.7907, 40.0067

Triad

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



30.7700, 33.7907, 38.1582



33.2206, 33.7907, 39.5738



32.3930, 33.7907, 32.8766

Complementary

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



30.7700, 33.7907, 38.1582



29.9656, 30.1075, 31.4276

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.



33.0741, 33.7907, 33.7549



30.7700, 33.7907, 38.1582



33.5569, 33.7907, 37.5860

Square

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



30.7700, 33.7907, 38.1582



32.5905, 33.7907, 40.8458



33.5028, 33.7907, 35.4594



31.6482, 33.7907, 33.0163

Rectangle

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



30.7700, 33.7907, 38.1582



31.6025, 33.7907, 40.7941



33.5028, 33.7907, 35.4594



32.6372, 33.7907, 33.0612

Sweetspot

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



30.7710, 33.7921, 38.1589



58.9274, 62.9306, 69.4268



29.6556, 33.3508, 32.0689



12.8289, 13.7528, 15.2218



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.



30.7710, 33.7921, 38.1589



54.6192, 60.7097, 69.2231



29.6296, 31.5090, 37.7797



6.8218, 7.5095, 8.4963



14.7332, 21.5612, 29.2816



0.2634, 0.3855, 0.5236

Inverse Universe

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



29.9656, 30.1075, 31.4276



52.7765, 52.2790, 53.8213



31.0398, 32.2563, 31.7846



6.6331, 6.6462, 6.9192



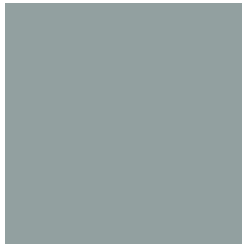
11.2932, 5.8219, 0.5293



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 30.7700, 33.7907, 38.1582 looks on a white background.

Color Contrast Check

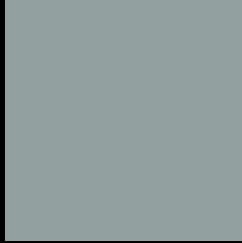
Large Text (above 18pt) WCAG AA × Fail

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 30.7700, 33.7907, 38.1582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

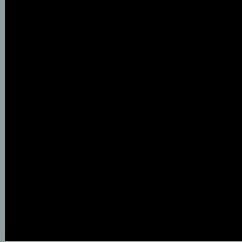
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

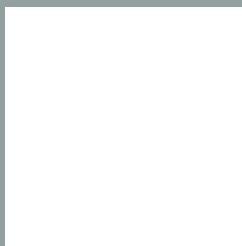
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7700, 33.7907, 38.1582

Background



This preview shows how black text looks on a background with the XYZ color 30.7700, 33.7907, 38.1582.



This preview shows how white text looks on a background with the XYZ color 30.7700, 33.7907,

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

30.7700, 33.7907, 38.1582

Protanopia

32.3581, 33.6165, 37.1309

Deuteranopia

34.3274, 33.6112, 38.8608



Tritanopia

31.7903, 33.6899, 43.3553

Trichromacy



Original Color

30.7700, 33.7907, 38.1582

Protanomaly

31.6414, 33.4872, 37.5969

Deuteranomaly

32.8523, 33.5930, 38.4708

Tritanomaly

31.4058, 33.7893, 41.4259

Monochromacy



Original Color

30.7700, 33.7907, 38.1582

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.0917, 33.2237, 36.6724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7700, 33.7907, 38.1582 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(146, 160, 160)` looks like.

```
.text, #text, p{  
    color:rgb(146, 160, 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(146, 160, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 160, 160) }
```

Border

The CSS property to change the border of an element to XYZ 30.7700, 33.7907, 38.1582 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(146, 160, 160) }
```


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

```
.border{ border-color:rgb(146, 160, 160) }
```

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

Here you see how a box with a 4 pixel rgb(146, 160, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 160, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 160, 160);  
box-shadow:4px 4px 4px 4px rgb(146, 160,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7700, 33.7907, 38.1582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 160, 160) }
```

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

```
.background{ background-color: rgb(146,  
160, 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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