

Converting Colors

XYZ(28.8361, 30.8983, 35.9609)

Have a look what the booklet for
XYZ(28.8361, 30.8983, 35.9609)
contains.

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Color

**XYZ(28.7306, 30.7861,
35.8805)**

Conversions

Conversions Part 1

Format	Color
Hex	90989C
RGB	144, 152, 156
RGB Percent	56%, 60%, 61%
CMY	0.4353, 0.4039, 0.3882
CMYK	0.08, 0.03, 0.00, 0.39
HSL	200°, 6%, 59%
HSV	200°, 8%, 61%
XYZ	28.7306, 30.7861, 35.8805
YIQ	150.0640, -6.0520, -0.4520

Conversions

Conversions Part 2

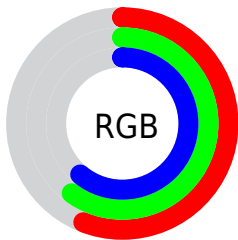
Format	Color
RYB	144, 149, 156
Decimal	9476252
CIELab	62.33, -2.05, -3.10
CIELCh	62, 3.716, 236.457
Yxy	30.7861, 0.3012, 0.3227
Android (android.graphics.Color)	4287666332 (0xFF90989C)
YUV	150.0640, 2.9264, -5.3181
Hunter-Lab	55.4852, -4.6707, 0.4987

Details

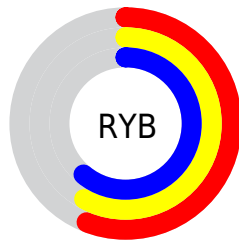
The XYZ color **28.7306, 30.7861, 35.8805** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.3343, 30.2611, 30.6810**, and the grayscale version is **29.0071, 30.5178, 33.2338**.

A 20% lighter version of the original color is **56.9929, 60.8015, 69.7048**, and **11.8196, 12.7070, 15.1943** is the 20% darker color. If you saturate the color by 10%, you get **25.3671, 27.8281, 35.4873**, and if you desaturate by 10%, it is **32.5094, 34.0147, 36.3050**.

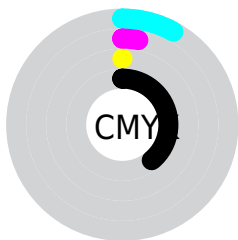
Distribution



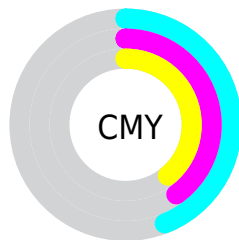
- Red (56%)
- Green (60%)
- Blue (61%)



- Red (56%)
- Yellow (58%)
- Blue (61%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (39%)



- Cyan (44%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7306, 30.7861, 35.8805 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 28.7306, 30.7861, 35.8805 by changing the saturation by 10% instead.

■ 28.7306, 30.7861,
35.8805

■ 28.7306, 30.7861,
35.8805

287.9589,
305.5517, 343.4595

■ 19.0204, 20.4360,
24.0530

■ 57.0493, 60.9031,
70.0145

■ 11.7891, 12.7124,
15.1603

■ 76.3885, 81.4389,
93.1581

■ 6.6714, 7.2308,
8.7841

99.6681, 106.1387,
120.9108

■ 3.3020, 3.6069,
4.5058

127.2534,
135.3869, 153.6911

■ 1.3154, 1.4562,
1.9067

159.5098,
169.5679, 191.9176

■ 0.1947, 0.2576,
0.4970

196.8026,

■ 0.0000, 0.0000,

209.0661, 236.0088

0.0000

239.4972,
254.2659, 286.3833

■ 28.7306, 30.7861,
35.8805

■ 28.7306, 30.7861,
35.8805

■ 25.3671, 27.8281,
35.4873

■ 32.5094, 34.0147,
36.3050

■ 22.4004, 25.1281,
35.1225

■ 36.7157, 37.5184,
36.7596

■ 19.8146, 22.6778,
34.7858

■ 41.3646, 41.3065,
37.2457

■ 17.5914, 20.4672,
34.4763

■ 46.4695, 45.3866,
37.7642

■ 15.7111, 18.4855,
34.1929

■ 52.0434, 49.7659,
38.3157

■ 14.1520, 16.7205,
33.9344

■ 58.0986, 54.4515,
38.9010

■ 12.8897, 15.1591,
33.6996

■ 64.6471, 59.4502,
39.5207

■ 11.8958, 13.7857,
33.4869

■ 66.4387, 62.0560,
39.9292

■ 11.1213, 12.5743,
33.2939

■ 67.6123, 64.4032,
40.3204

Harmonies

Analogous

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



28.4047, 30.7861, 34.7688



28.7306, 30.7861, 35.8805



29.2016, 30.7861, 36.3593

Triad

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



28.7306, 30.7861, 35.8805



30.2363, 30.7861, 33.6921



28.8329, 30.7861, 31.1040

Complementary

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



28.7306, 30.7861, 35.8805



29.3343, 30.2611, 30.6810

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.



29.3210, 30.7861, 30.8341



28.7306, 30.7861, 35.8805



30.1349, 30.7861, 32.3030

Square

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



28.7306, 30.7861, 35.8805



30.0740, 30.7861, 35.0733



29.7984, 30.7861, 31.2670



28.4633, 30.7861, 32.0149

Rectangle

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



28.7306, 30.7861, 35.8805



29.5358, 30.7861, 36.2453



29.7984, 30.7861, 31.2670



28.9884, 30.7861, 30.9364

Sweetspot

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



28.7315, 30.7874, 35.8812



55.9684, 59.1704, 65.5979



28.7200, 31.8385, 32.5663



12.3342, 13.0361, 14.4365



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



28.7315, 30.7874, 35.8812



51.2290, 55.0888, 65.0599



27.8126, 28.9496, 35.5749



6.6355, 7.1368, 8.4345



9.0558, 10.2031, 27.3993



0.1991, 0.2568, 0.5023

Inverse Universe

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



29.3517, 29.2820, 33.8123



52.5647, 51.8755, 60.5984



30.2674, 32.1273, 30.9920



6.8101, 6.7170, 7.8513



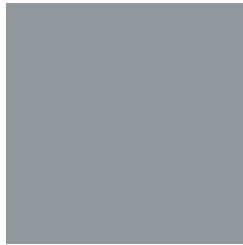
13.3692, 6.6522, 11.4609



0.2578, 0.1265, 0.3038

Previews

White Background



This preview shows how the XYZ color 28.7306, 30.7861, 35.8805 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 28.7306, 30.7861, 35.8805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

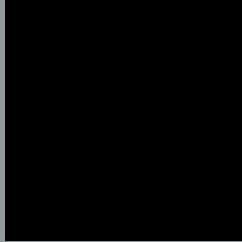
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.7306, 30.7861, 35.8805

Background



This preview shows how black text looks on a background with the XYZ color 28.7306, 30.7861, 35.8805.



This preview shows how white text looks on a background with the XYZ color 28.7306, 30.7861,

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

28.7306, 30.7861, 35.8805

Protanopia

29.7716, 30.8547, 35.3968

Deuteranopia

31.2650, 30.6735, 36.1710



Tritanopia

29.3545, 30.7973, 39.0477

Trichromacy



Original Color

28.7306, 30.7861, 35.8805

Protanomaly

29.3774, 30.8893, 35.4242

Deuteranomaly

30.1933, 30.5827, 36.2100

Tritanomaly

29.0888, 30.6910, 37.6485

Monochromacy



Original Color

28.7306, 30.7861, 35.8805

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.9468, 30.6961, 34.1050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7306, 30.7861, 35.8805 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(144, 152, 156)` looks like.

```
.text, #text, p{  
    color:rgb(144, 152, 156)  
}
```

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(144, 152, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 152, 156) }
```

Border

The CSS property to change the border of an element to XYZ 28.7306, 30.7861, 35.8805 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(144, 152, 156) }
```


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

```
.border{ border-color:rgb(144, 152, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 152, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 152, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 152, 156); box-shadow:4px 4px 4px 4px rgb(144, 152, 156) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7306, 30.7861, 35.8805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 152, 156) }
```

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

```
.background{ background-color: rgb(144,  
152, 156) }
```

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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