

Converting Colors

XYZ(27.7985, 30.2316, 40.5030)

Have a look what the booklet for
XYZ(27.7985, 30.2316, 40.5030)
contains.

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Color

**XYZ(27.7840, 30.1962,
40.4405)**

Conversions

Conversions Part 1

Format	Color
Hex	8598A6
RGB	133, 152, 166
RGB Percent	52%, 60%, 65%
CMY	0.4784, 0.4039, 0.3490
CMYK	0.20, 0.08, 0.00, 0.35
HSL	205°, 16%, 59%
HSV	205°, 20%, 65%
XYZ	27.7840, 30.1962, 40.4405
YIQ	147.9150, -15.8180, 0.3260

Conversions

Conversions Part 2

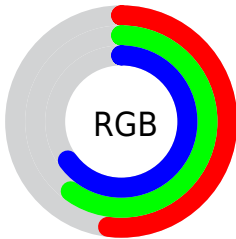
Format	Color
R_{YB}	133, 145, 166
Decimal	8755366
CIE _{Lab}	61.82, -3.61, -9.59
CIE _{LCh}	62, 10.243, 249.366
Yxy	30.1962, 0.2823, 0.3068
Android (android.graphics.Color)	4286945446 (0xFF8598A6)
YUV	147.9150, 8.9159, -13.0805
Hunter-Lab	54.9511, -5.9124, -5.1679

Details

The XYZ color **27.7840, 30.1962, 40.4405** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.3934, 30.6678, 26.5084**, and the grayscale version is **28.0823, 29.5448, 32.1743**.

A 20% lighter version of the original color is **55.3722, 59.8022, 77.0312**, and **11.2582, 12.3613, 17.7122** is the 20% darker color. If you saturate the color by 10%, you get **24.2585, 26.7330, 39.9583**, and if you desaturate by 10%, it is **31.7933, 34.0112, 40.9660**.

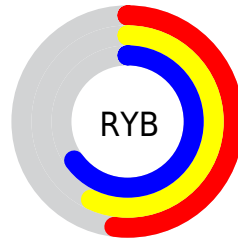
Distribution



Red (52%)

Green (60%)

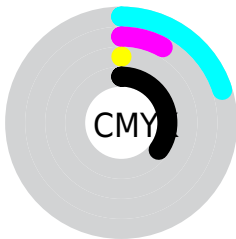
Blue (65%)



Red (52%)

Yellow (57%)

Blue (65%)

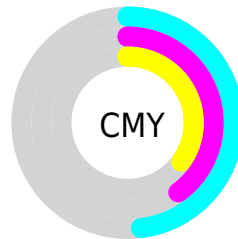


Cyan (20%)

Magenta (8%)

Yellow (0%)

Black (35%)



Cyan (48%)

Magenta (40%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7840, 30.1962, 40.4405 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 27.7840, 30.1962, 40.4405 by changing the saturation by 10% instead.

■ 27.7840, 30.1962,
40.4405

■ 27.7840, 30.1962,
40.4405

283.5322,
302.8179, 363.5839

■ 18.3025, 19.9876,
27.5658

■ 55.5505, 59.9723,
77.0782

■ 11.2684, 12.3860,
17.7624

■ 74.5662, 80.3086,
101.6783

■ 6.3163, 7.0071,
10.6119

■ 97.4906, 104.7895,
131.0239

■ 3.0808, 3.4666,
5.6956

124.6892,
133.7995, 165.5336

■ 1.1966, 1.3799,
2.5951

156.5273,
167.7229, 205.6259

■ 0.1037, 0.2018,
0.8899

193.3703,

■ 0.0000, 0.0000,

206.9442, 251.7194

0.0000

235.5835,
251.8478, 304.2325

■ 27.7840, 30.1962,
40.4405

■ 27.7840, 30.1962,
40.4405

■ 24.2585, 26.7330,
39.9583

■ 31.7933, 34.0112,
40.9660

■ 21.1937, 23.6054,
39.5162

■ 36.3031, 38.1858,
41.5341

■ 18.5682, 20.8015,
39.1134

■ 41.3324, 42.7323,
42.1466

■ 16.3578, 18.3071,
38.7484

■ 46.8984, 47.6611,
42.8046

■ 14.5361, 16.1065,
38.4197

■ 53.0175, 52.9824,
43.5092

■ 13.0727, 14.1823,
38.1254

■ 59.7054, 58.7057,
44.2614

■ 11.9325, 12.5142,
37.8635

■ 66.9771, 64.8402,
45.0623

■ 11.0386, 11.0606,
37.6300

■ 70.7606, 69.2883,
45.7214

■ 11.0283, 11.0438,
37.6273

■ 72.5193, 72.8058,
46.3077

Harmonies

Analogous

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



26.7156, 30.1962, 37.8893



27.7840, 30.1962, 40.4405



29.1306, 30.1962, 40.8814

Triad

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



27.7840, 30.1962, 40.4405



31.3736, 30.1962, 31.6684



27.0651, 30.1962, 27.3941

Complementary

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



27.7840, 30.1962, 40.4405



30.3934, 30.6678, 26.5084

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.



28.2749, 30.1962, 25.9948



27.7840, 30.1962, 40.4405



30.7816, 30.1962, 28.3303

Square

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



27.7840, 30.1962, 40.4405



31.2320, 30.1962, 35.6040



29.6371, 30.1962, 26.3234



26.3098, 30.1962, 30.2958

Rectangle

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



27.7840, 30.1962, 40.4405



30.0093, 30.1962, 39.8869



29.6371, 30.1962, 26.3234



27.4305, 30.1962, 26.7433

Sweetspot

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



27.7849, 30.1974, 40.4412



60.6762, 64.5028, 74.7276



28.5565, 34.3583, 32.6283



13.4668, 14.3310, 16.7085



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



27.7849, 30.1974, 40.4412



47.3973, 51.8560, 72.9864



25.3253, 25.2782, 39.6213



7.4769, 7.9908, 9.5666



8.5988, 8.6578, 29.1934



0.2583, 0.3088, 0.7266

Inverse Universe

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



29.7816, 27.1497, 33.3780



51.7621, 45.4523, 57.4878



33.1017, 36.0843, 27.4111



7.7053, 7.6120, 8.7655



13.8409, 6.9451, 9.2396



0.3615, 0.1789, 0.3552

Previews

White Background



This preview shows how the XYZ color 27.7840, 30.1962, 40.4405 looks on a white background.

Color Contrast Check

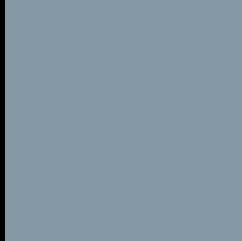
Large Text (above 18pt) WCAG AA × Fail

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 27.7840, 30.1962, 40.4405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

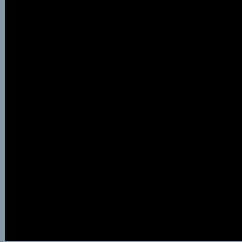
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

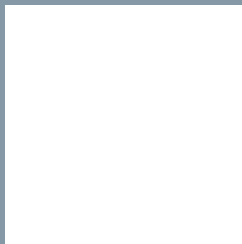
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7840, 30.1962, 40.4405

Background



This preview shows how black text looks on a background with the XYZ color 27.7840, 30.1962, 40.4405.



This preview shows how white text looks on a background with the XYZ color 27.7840, 30.1962,

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

27.7840, 30.1962, 40.4405

Protanopia

29.5035, 30.1560, 39.3877

Deuteranopia

30.6180, 30.0094, 40.7379



Tritanopia

27.6019, 30.1234, 39.4816

Trichromacy



Original Color

27.7840, 30.1962, 40.4405

Protanomaly

28.8667, 30.0511, 39.8763

Deuteranomaly

29.5976, 30.1729, 40.8232

Tritanomaly

27.6926, 30.1596, 39.9591

Monochromacy



Original Color

27.7840, 30.1962, 40.4405

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.9915, 29.7011, 35.2679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7840, 30.1962, 40.4405 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(133, 152, 166)` looks like.

```
.text, #text, p{  
    color:rgb(133, 152, 166)  
}
```

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(133, 152, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 152, 166) }
```

Border

The CSS property to change the border of an element to XYZ 27.7840, 30.1962, 40.4405 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(133, 152, 166) }
```


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

```
.border{ border-color:rgb(133, 152, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 152, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 152, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 152, 166);  
box-shadow:4px 4px 4px 4px rgb(133, 152,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7840, 30.1962, 40.4405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 152, 166) }
```

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

```
.background{ background-color: rgb(133,  
152, 166) }
```

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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