

Converting Colors

XYZ(28.6752, 31.5155, 40.4880)

Have a look what the booklet for
XYZ(28.6752, 31.5155, 40.4880)
contains.

XYZ(28.7631, 31.6810, 40.6755)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.7631, 31.6810,
40.6755)**

Conversions

Conversions Part 1

Format	Color
Hex	879CA6
RGB	135, 156, 166
RGB Percent	53%, 61%, 65%
CMY	0.4706, 0.3882, 0.3490
CMYK	0.19, 0.06, 0.00, 0.35
HSL	199°, 15%, 59%
HSV	199°, 19%, 65%
XYZ	28.7631, 31.6810, 40.6755
YIQ	150.8610, -15.7260, -1.3420

Conversions

Conversions Part 2

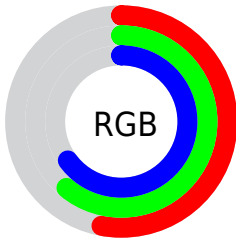
Format	Color
R _Y B	135, 148, 166
Decimal	8887462
CIE Lab	63.08, -5.17, -7.70
CIE LCh	63, 9.273, 236.135
Yxy	31.6810, 0.2844, 0.3133
Android (android.graphics.Color)	4287077542 (0xFF879CA6)
YUV	150.8610, 7.4635, -13.9101
Hunter-Lab	56.2859, -7.2836, -3.4463

Details

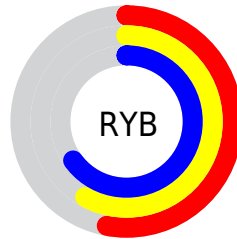
The XYZ color **28.7631, 31.6810, 40.6755** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2248, 30.1072, 27.1406**, and the grayscale version is **29.3307, 30.8581, 33.6045**.

A 20% lighter version of the original color is **57.0840, 62.1325, 77.3907**, and **11.8352, 13.2494, 17.8532** is the 20% darker color. If you saturate the color by 10%, you get **25.4192, 28.6535, 40.2679**, and if you desaturate by 10%, it is **32.5649, 35.0050, 41.1172**.

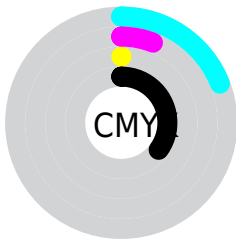
Distribution



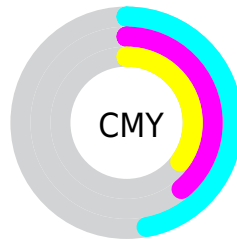
- Red (53%)
- Green (61%)
- Blue (65%)



- Red (53%)
- Yellow (58%)
- Blue (65%)



- Cyan (19%)
- Magenta (6%)
- Yellow (0%)
- Black (35%)



- Cyan (47%)
- Magenta (39%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7631, 31.6810, 40.6755 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 28.7631, 31.6810, 40.6755 by changing the saturation by 10% instead.

■ 28.7631, 31.6810,
40.6755

■ 28.7631, 31.6810,
40.6755

288.1100,
309.6635, 364.5989

■ 19.0451, 21.1180,
27.7478

■ 57.1007, 62.3107,
77.4394

■ 11.8070, 13.2103,
17.8983

■ 76.4509, 83.1461,
102.1126

■ 6.6837, 7.5735,
10.7083

■ 99.7426, 108.1744,
131.5382

■ 3.3096, 3.8233,
5.7593

127.3410,
137.7800, 166.1345

■ 1.3195, 1.5752,
2.6329

159.6116,
172.3474, 206.3202

■ 0.1978, 0.3408,
0.9094

196.9198,

■ 0.0000, 0.0000,

212.2608, 252.5138

0.0000

239.6308,
257.9047, 305.1339

■ 28.7631, 31.6810,
40.6755

■ 28.7631, 31.6810,
40.6755

■ 25.4192, 28.6535,
40.2679

■ 32.5649, 35.0050,
41.1172

■ 22.5107, 25.9077,
39.8912

■ 36.8404, 38.6319,
41.5920

■ 20.0172, 23.4331,
39.5450

■ 41.6078, 42.5727,
42.1013

■ 17.9157, 21.2170,
39.2280

■ 46.8837, 46.8365,
42.6463

■ 16.1804, 19.2455,
38.9389

■ 52.6839, 51.4323,
43.2276

■ 14.7825, 17.5028,
38.6762

■ 59.0232, 56.3683,
43.8463

■ 13.6883, 15.9708,
38.4382

■ 65.9161, 61.6528,
44.5030

■ 12.8350, 14.6161,
38.2217

■ 68.5084, 64.7838,
44.9707

■ 12.7284, 14.4439,
38.1940

■ 69.7607, 67.2884,
45.3881

Harmonies

Analogous

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



27.9591, 31.6810, 37.6892



28.7631, 31.6810, 40.6755



29.9465, 31.6810, 42.0045

Triad

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



28.7631, 31.6810, 40.6755



32.6309, 31.6810, 34.9718



29.0423, 31.6810, 28.5547

Complementary

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



28.7631, 31.6810, 40.6755



30.2248, 30.1072, 27.1406

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.



30.2778, 31.6810, 27.9389



28.7631, 31.6810, 40.6755



32.3724, 31.6810, 31.4870

Square

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



28.7631, 31.6810, 40.6755



32.1989, 31.6810, 38.5676



31.5021, 31.6810, 28.9750



28.1170, 31.6810, 30.7201

Rectangle

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



28.7631, 31.6810, 40.6755



30.8000, 31.6810, 41.7073



31.5021, 31.6810, 28.9750



29.4341, 31.6810, 28.1665

Sweetspot

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



28.7640, 31.6823, 40.6762



61.0065, 65.1634, 74.8377



28.7252, 34.4626, 31.8527



13.5480, 14.4933, 16.7356



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.



28.7640, 31.6823, 40.6762



49.8412, 55.3853, 73.5388



26.3535, 26.8613, 39.8727



7.5405, 8.1180, 9.5878



9.9137, 11.2876, 29.6317



0.2845, 0.3612, 0.7354

Inverse Universe

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



30.3914, 27.8360, 35.2250



53.3274, 47.3481, 61.8156



32.7254, 35.1084, 27.9742



7.7374, 7.6248, 8.9345



14.5046, 7.2105, 12.7345



0.3748, 0.1842, 0.4249

Previews

White Background



This preview shows how the XYZ color 28.7631, 31.6810, 40.6755 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 28.7631, 31.6810, 40.6755 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

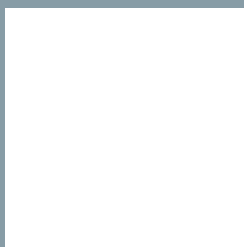
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7631, 31.6810, 40.6755

Background



This preview shows how black text looks on a background with the XYZ color 28.7631, 31.6810, 40.6755.



This preview shows how white text looks on a background with the XYZ color 28.7631, 31.6810,

40.6755.

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

28.7631, 31.6810, 40.6755

Protanopia

30.6264, 31.4530, 39.1072

Deuteranopia

32.1550, 31.4805, 41.4274



Tritanopia

28.9480, 31.7550, 41.6494

Trichromacy



Original Color

28.7631, 31.6810, 40.6755

Protanomaly

29.9461, 31.5738, 39.6380

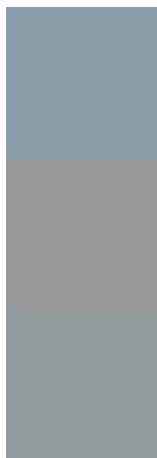
Deuteranomaly

30.8042, 31.5025, 41.0163

Tritanomaly

28.8552, 31.7179, 41.1605

Monochromacy



Original Color

28.7631, 31.6810, 40.6755

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.0690, 31.2025, 35.9431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7631, 31.6810, 40.6755 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(135, 156, 166)` looks like.

```
.text, #text, p{  
    color:rgb(135, 156, 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(135, 156, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 156, 166) }
```

Border

The CSS property to change the border of an element to XYZ 28.7631, 31.6810, 40.6755 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(135, 156, 166) }
```


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

```
.border{ border-color:rgb(135, 156, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 156, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 156, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 156, 166);  
box-shadow:4px 4px 4px 4px rgb(135, 156,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7631, 31.6810, 40.6755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 156, 166) }
```

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

```
.background{ background-color: rgb(135,  
156, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor