

Converting Colors

XYZ(28.6217, 31.3511, 42.1337)

Have a look what the booklet for
XYZ(28.6217, 31.3511, 42.1337)
contains.

XYZ(28.5556, 31.2938, 42.0714)	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(28.5556, 31.2938,
42.0714)**

Conversions

Conversions Part 1

Format	Color
Hex	859BA9
RGB	133, 155, 169
RGB Percent	52%, 61%, 66%
CMY	0.4784, 0.3921, 0.3373
CMYK	0.21, 0.08, 0.00, 0.34
HSL	203°, 17%, 59%
HSV	203°, 21%, 66%
XYZ	28.5556, 31.2938, 42.0714
YIQ	150.0180, -17.6060, -0.3100

Conversions

Conversions Part 2

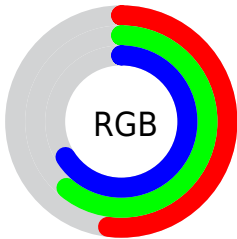
Format	Color
R_{YB}	133, 147, 169
Decimal	8756137
CIE Lab	62.75, -4.58, -9.89
CIE LCh	63, 10.897, 245.135
Yxy	31.2938, 0.2802, 0.3070
Android (android.graphics.Color)	4286946217 (0xFF859BA9)
YUV	150.0180, 9.3581, -14.9248
Hunter-Lab	55.9409, -6.7793, -5.4316

Details

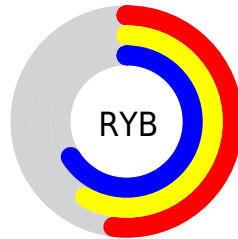
The XYZ color **28.5556, 31.2938, 42.0714** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.0298, 30.9959, 26.5382**, and the grayscale version is **28.9647, 30.4731, 33.1852**.

A 20% lighter version of the original color is **56.7485, 61.5475, 79.4099**, and **11.7285, 13.0240, 18.7253** is the 20% darker color. If you saturate the color by 10%, you get **25.0353, 27.9002, 41.6024**, and if you desaturate by 10%, it is **32.5666, 35.0304, 42.5817**.

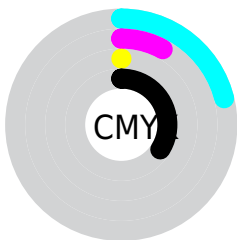
Distribution



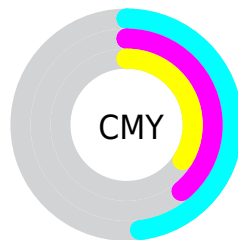
- Red (52%)
- Green (61%)
- Blue (66%)



- Red (52%)
- Yellow (58%)
- Blue (66%)



- Cyan (21%)
- Magenta (8%)
- Yellow (0%)
- Black (34%)



- Cyan (48%)
- Magenta (39%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5556, 31.2938, 42.0714 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 28.5556, 31.2938, 42.0714 by changing the saturation by 10% instead.

■ 28.5556, 31.2938,
42.0714

■ 28.5556, 31.2938,
42.0714

287.1445,
307.8896, 370.5872

■ 18.8875, 20.8227,
28.8312

■ 56.7727, 61.7023,
79.5789

■ 11.6925, 12.9944,
18.7087

■ 76.0525, 82.4085,
104.6834

■ 6.6054, 7.4247,
11.2853

■ 99.2668, 107.2952,
134.5796

■ 3.2607, 3.7291,
6.1425

126.7810,
136.7468, 169.6862

■ 1.2931, 1.5232,
2.8617

158.9606,
171.1476, 210.4218

■ 0.1780, 0.3050,
1.0245

196.1708,

■ 0.0000, 0.0000,

210.8821, 257.2047

0.0000

238.7770,
256.3346, 310.4537

■ 28.5556, 31.2938,
42.0714

■ 28.5556, 31.2938,
42.0714

■ 25.0353, 27.9002,
41.6024

■ 32.5666, 35.0304,
42.5817

■ 21.9814, 24.8332,
41.1714

■ 37.0856, 39.1177,
43.1325

■ 19.3719, 22.0808,
40.7777

■ 42.1323, 43.5682,
43.7255

■ 17.1813, 19.6285,
40.4198

■ 47.7247, 48.3922,
44.3619

■ 15.3818, 17.4604,
40.0961

■ 53.8796, 53.6000,
45.0427

■ 13.9414, 15.5585,
39.8049

■ 60.6133, 59.2009,
45.7689

■ 12.8228, 13.9019,
39.5441

■ 67.9414, 65.2044,
46.5415

■ 12.0405, 12.6225,
39.3384

■ 70.8536, 69.0288,
47.1261

■ 72.4848, 72.2912,
47.6699

Harmonies

Analogous

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



27.4623, 31.2938, 39.0159



28.5556, 31.2938, 42.0714



30.0009, 31.2938, 42.9143

Triad

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



28.5556, 31.2938, 42.0714



32.6888, 31.2938, 33.3447



28.1257, 31.2938, 27.7957

Complementary

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



28.5556, 31.2938, 42.0714



31.0298, 30.9959, 26.5382

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.



29.4882, 31.2938, 26.5390



28.5556, 31.2938, 42.0714



32.1483, 31.2938, 29.5674

Square

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



28.5556, 31.2938, 42.0714



32.4190, 31.2938, 37.6406



30.9645, 31.2938, 27.1597



27.2200, 31.2938, 30.7394

Rectangle

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



28.5556, 31.2938, 42.0714



30.9771, 31.2938, 42.0526



30.9645, 31.2938, 27.1597



28.5437, 31.2938, 27.1737

Sweetspot

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



28.5565, 31.2951, 42.0721



62.4119, 66.4586, 76.7634



29.1122, 35.4634, 32.8328



13.4949, 14.3872, 16.7179



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.



28.5565, 31.2951, 42.0721



47.7791, 52.8326, 74.9046



25.8090, 25.7999, 41.1563



7.4990, 8.0349, 9.5740



9.0267, 9.5136, 29.3360



0.2671, 0.3264, 0.7296

Inverse Universe

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



30.6668, 27.5773, 34.7184



52.3667, 45.0839, 58.8433



34.0154, 36.9672, 27.5334



7.7164, 7.6164, 8.8240



14.0568, 7.0315, 10.3769



0.3660, 0.1807, 0.3786

Previews

White Background



This preview shows how the XYZ color 28.5556, 31.2938, 42.0714 looks on a white background.

Color Contrast Check

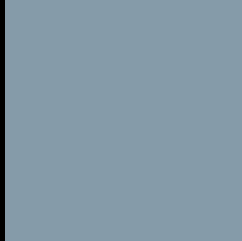
Large Text (above 18pt) WCAG AA × Fail

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 28.5556, 31.2938, 42.0714 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

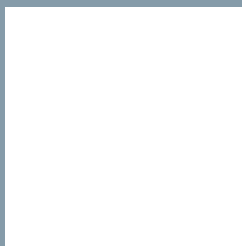
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5556, 31.2938, 42.0714

Background



This preview shows how black text looks on a background with the XYZ color 28.5556, 31.2938, 42.0714.

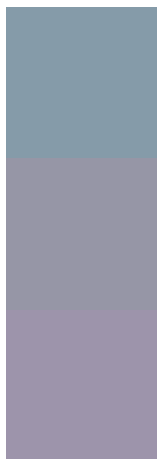


This preview shows how white text looks on a background with the XYZ color 28.5556, 31.2938,

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

28.5556, 31.2938, 42.0714

Protanopia

30.3670, 31.0499, 40.4691

Deuteranopia

31.8452, 31.2882, 42.8889



Tritanopia

28.4621, 31.2564, 41.5788

Trichromacy



Original Color

28.5556, 31.2938, 42.0714

Protanomaly

29.7049, 31.1758, 41.0111

Deuteranomaly

30.5350, 31.3314, 42.4684

Tritanomaly

28.4621, 31.2564, 41.5788

Monochromacy



Original Color

28.5556, 31.2938, 42.0714

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.8156, 30.8201, 36.3284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5556, 31.2938, 42.0714 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, 155, 169)` looks like.

```
.text, #text, p{  
    color:rgb(133, 155, 169)  
}
```

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, 155, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 155, 169) }
```

Border

The CSS property to change the border of an element to XYZ 28.5556, 31.2938, 42.0714 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, 155, 169) }
```


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

```
.border{ border-color:rgb(133, 155, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 155, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 155, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 155, 169);  
box-shadow:4px 4px 4px 4px rgb(133, 155,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5556, 31.2938, 42.0714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 155, 169) }
```

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

```
.background{ background-color: rgb(133,  
155, 169) }
```

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