

Converting Colors

XYZ(28.7228, 32.6481, 42.0705)

Have a look what the booklet for
XYZ(28.7228, 32.6481, 42.0705)
contains.

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Color

**XYZ(28.6919, 32.6359,
41.8329)**

Conversions

Conversions Part 1

Format	Color
Hex	81A0A8
RGB	129, 160, 168
RGB Percent	51%, 63%, 66%
CMY	0.4941, 0.3725, 0.3412
CMYK	0.23, 0.05, 0.00, 0.34
HSL	192°, 18%, 58%
HSV	192°, 23%, 66%
XYZ	28.6919, 32.6359, 41.8329
YIQ	151.6430, -21.0440, -4.0840

Conversions

Conversions Part 2

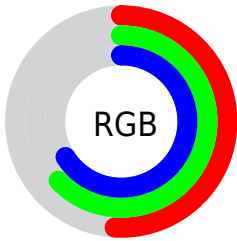
Format	Color
RYB	129, 146, 168
Decimal	8495272
CIELab	63.87, -8.83, -7.70
CIElCh	64, 11.717, 221.061
Yxy	32.6359, 0.2781, 0.3164
Android (android.graphics.Color)	4286685352 (0xFF81A0A8)
YUV	151.6430, 8.0640, -19.8579
Hunter-Lab	57.1278, -10.3238, -3.4267

Details

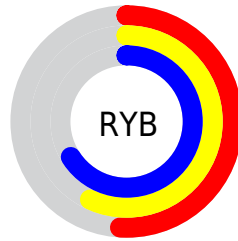
The XYZ color **28.6919, 32.6359, 41.8329** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.0568, 27.8011, 24.6041**, and the grayscale version is **29.6649, 31.2097, 33.9874**.

A 20% lighter version of the original color is **57.1482, 63.9959, 79.1524**, and **11.8455, 13.8605, 18.5740** is the 20% darker color. If you saturate the color by 10%, you get **25.7581, 30.2499, 41.5275**, and if you desaturate by 10%, it is **32.0638, 35.2740, 42.1649**.

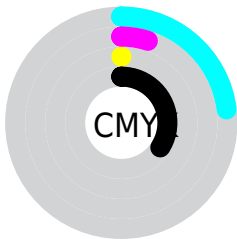
Distribution



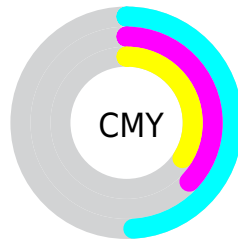
- Red (51%)
- Green (63%)
- Blue (66%)



- Red (51%)
- Yellow (57%)
- Blue (66%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (34%)



- Cyan (49%)
- Magenta (37%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6919, 32.6359, 41.8329 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 28.6919, 32.6359, 41.8329 by changing the saturation by 10% instead.

■ 28.6919, 32.6359,
41.8329

■ 28.6919, 32.6359,
41.8329

287.7790,
314.0059, 369.5690

■ 18.9910, 21.8477,
28.6459

■ 56.9882, 63.8067,
79.2140

■ 11.7677, 13.7450,
18.5698

■ 76.3142, 84.9580,
104.2452

■ 6.6568, 7.9435,
11.1862

■ 99.5794, 110.3324,
134.0615

■ 3.2928, 4.0588,
6.0765

127.1490,
140.3145, 169.0815

■ 1.3104, 1.7065,
2.8221

159.3884,
175.2884, 209.7237

■ 0.1910, 0.4279,
1.0045

196.6629,

■ 0.0000, 0.0000,

215.6387, 256.4067

0.0000

239.3380,
261.7497, 309.5489

■ 28.6919, 32.6359,
41.8329

■ 28.6919, 32.6359,
41.8329

■ 25.7581, 30.2499,
41.5275

■ 32.0638, 35.2740,
42.1649

■ 23.2388, 28.1011,
41.2455

■ 35.8901, 38.1703,
42.5223

■ 21.1128, 26.1792,
40.9866

■ 40.1898, 41.3356,
42.9066

■ 19.3554, 24.4714,
40.7496

■ 44.9799, 44.7789,
43.3188

■ 17.9393, 22.9632,
40.5332

■ 50.2766, 48.5086,
43.7595

■ 16.8332, 21.6385,
40.3357

■ 56.0954, 52.5331,
44.2296

■ 15.9996, 20.4776,
40.1556

■ 62.4510, 56.8599,
44.7298

■ 15.5309, 19.7530,
40.0404

■ 66.1984, 59.8681,
45.1130

■ 66.9410, 61.3533,
45.3605

Harmonies

Analogous

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



28.0135, 32.6359, 37.3039



28.6919, 32.6359, 41.8329



30.0027, 32.6359, 44.8244

Triad

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



28.6919, 32.6359, 41.8329



34.1129, 32.6359, 38.5612



30.4157, 32.6359, 27.3548

Complementary

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



28.6919, 32.6359, 41.8329



29.0568, 27.8011, 24.6041

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.



32.0589, 32.6359, 27.6267



28.6919, 32.6359, 41.8329



34.2331, 32.6359, 33.8228

Square

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



28.6919, 32.6359, 41.8329



33.1469, 32.6359, 42.8232



33.4696, 32.6359, 29.9031



28.9850, 32.6359, 29.1245

Rectangle

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



28.6919, 32.6359, 41.8329



31.0781, 32.6359, 45.3984



33.4696, 32.6359, 29.9031



30.9608, 32.6359, 27.2148

Sweetspot

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



28.6929, 32.6372, 41.8336



62.3084, 67.1501, 76.9024



27.5574, 34.4733, 28.7939



13.4955, 14.5716, 16.7534



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.



28.6929, 32.6372, 41.8336



49.1479, 56.8731, 75.6123



25.6024, 26.4562, 40.8035



7.6150, 8.2669, 9.6127



11.7653, 14.9908, 30.2489



0.3184, 0.4290, 0.7467

Inverse Universe

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



30.3446, 26.5640, 36.7873



52.7397, 44.0156, 64.5606



32.0503, 33.7881, 25.6019



7.7750, 7.6399, 9.1324



15.4392, 7.5844, 17.6561



0.3919, 0.1910, 0.5150

Previews

White Background



This preview shows how the XYZ color 28.6919, 32.6359, 41.8329 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 28.6919, 32.6359, 41.8329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

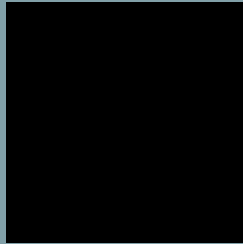
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.6919, 32.6359, 41.8329

Background



This preview shows how black text looks on a background with the XYZ color 28.6919, 32.6359, 41.8329.

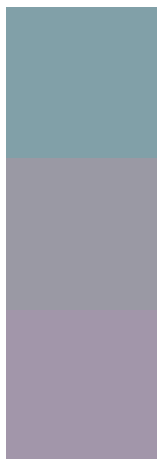


This preview shows how white text looks on a background with the XYZ color 28.6919, 32.6359,

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

28.6919, 32.6359, 41.8329

Protanopia

31.4185, 32.3328, 39.7069

Deuteranopia

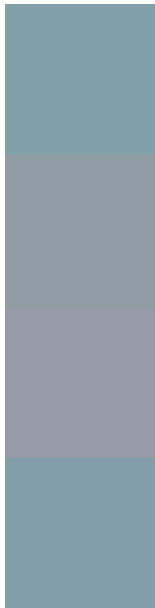
33.0623, 32.3964, 42.5408



Tritanopia

29.0505, 32.5207, 43.7757

Trichromacy



Original Color

28.6919, 32.6359, 41.8329

Protanomaly

30.3571, 32.5133, 40.2730

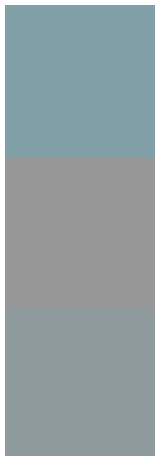
Deuteranomaly

31.2947, 32.4598, 42.1521

Tritanomaly

28.9547, 32.4824, 43.2717

Monochromacy



Original Color

28.6919, 32.6359, 41.8329

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.3945, 31.8406, 36.9443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6919, 32.6359, 41.8329 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(129, 160, 168)` looks like.

```
.text, #text, p{  
    color:rgb(129, 160, 168)  
}
```

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(129, 160, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 160, 168) }
```

Border

The CSS property to change the border of an element to XYZ 28.6919, 32.6359, 41.8329 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(129, 160, 168) }
```


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

```
.border{ border-color:rgb(129, 160, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 160, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 160, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 160, 168);  
box-shadow:4px 4px 4px 4px rgb(129, 160,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6919, 32.6359, 41.8329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 160, 168) }
```

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

```
.background{ background-color: rgb(129,  
160, 168) }
```

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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