

Converting Colors

XYZ(28.5087, 32.1599, 40.5498)

Have a look what the booklet for
XYZ(28.5087, 32.1599, 40.5498)
contains.

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Color

**XYZ(28.4699, 32.0322,
40.7587)**

Conversions

Conversions Part 1

Format	Color
Hex	839EA6
RGB	131, 158, 166
RGB Percent	51%, 62%, 65%
CMY	0.4863, 0.3804, 0.3490
CMYK	0.21, 0.05, 0.00, 0.35
HSL	194°, 16%, 58%
HSV	194°, 21%, 65%
XYZ	28.4699, 32.0322, 40.7587
YIQ	150.8390, -18.6600, -3.2360

Conversions

Conversions Part 2

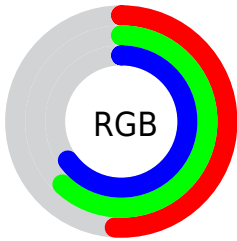
Format	Color
R_{YB}	131, 146, 166
Decimal	8625830
CIE _{Lab}	63.37, -7.57, -7.30
CIE _{LCh}	63, 10.511, 223.956
Yxy	32.0322, 0.2812, 0.3163
Android (android.graphics.Color)	4286815910 (0xFF839EA6)
YUV	150.8390, 7.4744, -17.3988
Hunter-Lab	56.5970, -9.2542, -3.0802

Details

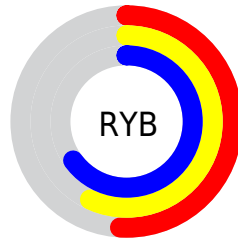
The XYZ color **28.4699, 32.0322, 40.7587** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.0556, 28.2111, 25.3874**, and the grayscale version is **29.3221, 30.8492, 33.5947**.

A 20% lighter version of the original color is **56.8530, 63.1232, 77.5941**, and **11.6883, 13.4796, 17.9054** is the 20% darker color. If you saturate the color by 10%, you get **25.4651, 29.5382, 40.4362**, and if you desaturate by 10%, it is **31.9085, 34.7812, 41.1086**.

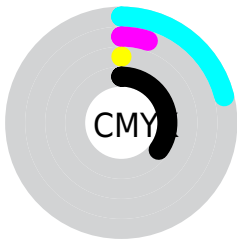
Distribution



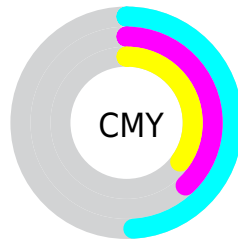
- Red (51%)
- Green (62%)
- Blue (65%)



- Red (51%)
- Yellow (57%)
- Blue (65%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)
- Black (35%)



- Cyan (49%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4699, 32.0322, 40.7587 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 28.4699, 32.0322, 40.7587 by changing the saturation by 10% instead.

■ 28.4699, 32.0322,
40.7587

■ 28.4699, 32.0322,
40.7587

286.7450,
311.2659, 364.9578

■ 18.8224, 21.3861,
27.8123

■ 56.6372, 62.8616,
77.5671

■ 11.6453, 13.4065,
17.9464

■ 75.8878, 83.8136,
102.2663

■ 6.5731, 7.7091,
10.7425

■ 99.0700, 108.9698,
131.7201

■ 3.2405, 3.9094,
5.7820

126.5494,
138.7144, 166.3471

■ 1.2822, 1.6230,
2.6463

158.6913,
173.4320, 206.5658

■ 0.1698, 0.3730,
0.9162

195.8609,

■ 0.0000, 0.0000,

213.5068, 252.7948

0.0000

238.4237,
259.3233, 305.4526

■ 28.4699, 32.0322,
40.7587

■ 28.4699, 32.0322,
40.7587

■ 25.4651, 29.5382,
40.4362

■ 31.9085, 34.7812,
41.1086

■ 22.8716, 27.2847,
40.1379

■ 35.7965, 37.7909,
41.4846

■ 20.6689, 25.2619,
39.8636

■ 40.1522, 41.0719,
41.8883

■ 18.8336, 23.4573,
39.6120

■ 44.9920, 44.6329,
42.3206

■ 17.3399, 21.8574,
39.3819

■ 50.3316, 48.4823,
42.7822

■ 16.1582, 20.4466,
39.1719

■ 56.1858, 52.6278,
43.2738

■ 15.2536, 19.2067,
38.9802

■ 62.5688, 57.0771,
43.7962

■ 14.6110, 18.2091,
38.8215

■ 66.1812, 60.1295,
44.1949

■ 67.0042, 61.7756,
44.4693

Harmonies

Analogous

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



27.8027, 32.0322, 36.8521



28.4699, 32.0322, 40.7587



29.6767, 32.0322, 43.1855

Triad

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



28.4699, 32.0322, 40.7587



33.2230, 32.0322, 37.1462



29.7738, 32.0322, 27.6451

Complementary

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



28.4699, 32.0322, 40.7587



29.0556, 28.2111, 25.3874

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.



31.2278, 32.0322, 27.7100



28.4699, 32.0322, 40.7587



33.2510, 32.0322, 32.9750

Square

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



28.4699, 32.0322, 40.7587



32.4353, 32.0322, 40.9888



32.5107, 32.0322, 29.5914



28.5391, 32.0322, 29.4062

Rectangle

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



28.4699, 32.0322, 40.7587



30.6397, 32.0322, 43.5253



32.5107, 32.0322, 29.5914



30.2524, 32.0322, 27.4587

Sweetspot

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



28.4708, 32.0335, 40.7594



61.3143, 65.7790, 74.9403



27.6268, 33.9503, 29.3645



13.6237, 14.6447, 16.7608



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.



28.4708, 32.0335, 40.7594



49.1870, 56.0977, 73.7108



25.7563, 26.6044, 39.8546



7.6000, 8.2370, 9.6077



11.3663, 14.1927, 30.1159



0.3113, 0.4148, 0.7443

Inverse Universe

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



30.0145, 26.8090, 35.9419



52.5039, 45.1300, 63.3017



31.7257, 33.5512, 26.2774



7.7675, 7.6368, 9.0927



15.2378, 7.5038, 16.5955



0.3883, 0.1896, 0.4961

Previews

White Background



This preview shows how the XYZ color 28.4699, 32.0322, 40.7587 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 28.4699, 32.0322, 40.7587 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

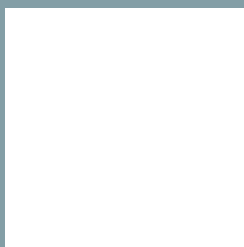
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4699, 32.0322, 40.7587

Background



This preview shows how black text looks on a background with the XYZ color 28.4699, 32.0322, 40.7587.



This preview shows how white text looks on a background with the XYZ color 28.4699, 32.0322,

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

28.4699, 32.0322, 40.7587

Protanopia

30.8867, 31.8374, 38.6998

Deuteranopia

32.5133, 31.8991, 41.4893



Tritanopia

28.8284, 31.9218, 42.6723

Trichromacy



Original Color

28.4699, 32.0322, 40.7587

Protanomaly

29.8435, 31.7753, 39.2107

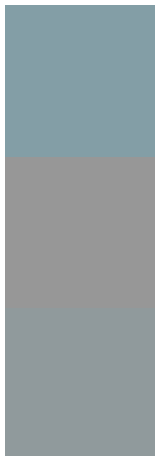
Deuteranomaly

30.7810, 31.7305, 41.0615

Tritanomaly

28.7341, 31.8840, 42.1759

Monochromacy



Original Color

28.4699, 32.0322, 40.7587

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.0580, 31.4408, 35.9897

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4699, 32.0322, 40.7587 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(131, 158, 166)` looks like.

```
.text, #text, p{  
    color:rgb(131, 158, 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(131, 158, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 158, 166) }
```

Border

The CSS property to change the border of an element to XYZ 28.4699, 32.0322, 40.7587 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(131, 158, 166) }
```


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

```
.border{ border-color:rgb(131, 158, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 158, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 158, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 158, 166);  
box-shadow:4px 4px 4px 4px rgb(131, 158,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4699, 32.0322, 40.7587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 158, 166) }
```

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

```
.background{ background-color: rgb(131,  
158, 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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