

Converting Colors

XYZ(28.8876, 32.5731, 42.7602)

Have a look what the booklet for
XYZ(28.8876, 32.5731, 42.7602)
contains.

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Color

**XYZ(28.8598, 32.4444,
42.7715)**

Conversions

Conversions Part 1

Format	Color
Hex	829FAA
RGB	130, 159, 170
RGB Percent	51%, 62%, 67%
CMY	0.4902, 0.3765, 0.3333
CMYK	0.24, 0.06, 0.00, 0.33
HSL	196°, 19%, 59%
HSV	196°, 24%, 67%
XYZ	28.8598, 32.4444, 42.7715
YIQ	151.5830, -20.8150, -2.7270

Conversions

Conversions Part 2

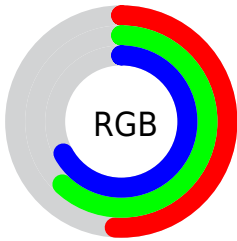
Format	Color
RYB	130, 147, 170
Decimal	8560554
CIELab	63.71, -7.51, -9.05
CIElCh	64, 11.755, 230.310
Yxy	32.4444, 0.2773, 0.3117
Android (android.graphics.Color)	4286750634 (0xFF829FAA)
YUV	151.5830, 9.0796, -18.9283
Hunter-Lab	56.9600, -9.2397, -4.6491

Details

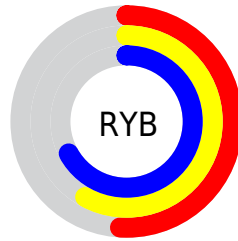
The XYZ color **28.8598, 32.4444, 42.7715** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.1321, 29.2077, 25.1694**, and the grayscale version is **29.6348, 31.1782, 33.9530**.

A 20% lighter version of the original color is **57.4043, 63.7197, 80.5078**, and **11.9408, 13.7386, 19.1620** is the 20% darker color. If you saturate the color by 10%, you get **25.6761, 29.6331, 42.3972**, and if you desaturate by 10%, it is **32.5067, 35.5412, 43.1776**.

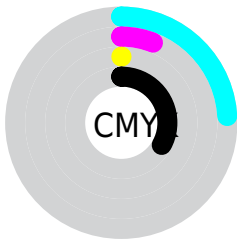
Distribution



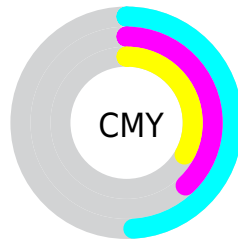
- Red (51%)
- Green (62%)
- Blue (67%)



- Red (51%)
- Yellow (58%)
- Blue (67%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)



- Cyan (49%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8598, 32.4444, 42.7715 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 28.8598, 32.4444, 42.7715 by changing the saturation by 10% instead.

■ 28.8598, 32.4444,
42.7715

■ 28.8598, 32.4444,
42.7715

288.5590,
313.1387, 373.5648

■ 19.1185, 21.7012,
29.3758

■ 57.2534, 63.5071,
80.6486

■ 11.8605, 13.6375,
19.1173

■ 76.6364, 84.5954,
105.9671

■ 6.7203, 7.8690,
11.5774

■ 99.9640, 109.9008,
136.0968

■ 3.3325, 4.0112,
6.3376

127.6016,
139.8077, 171.4565

■ 1.3320, 1.6798,
2.9793

159.9146,
174.7006, 212.4646

■ 0.2070, 0.4106,
1.0841

197.2682,

■ 0.0000, 0.0000,

214.9638, 259.5397

0.0000

240.0279,
260.9817, 313.1002

■ 28.8598, 32.4444,
42.7715

■ 28.8598, 32.4444,
42.7715

■ 25.6761, 29.6331,
42.3972

■ 32.5067, 35.5412,
43.1776

■ 22.9312, 27.0919,
42.0514

■ 36.6338, 38.9304,
43.6142

■ 20.6028, 24.8095,
41.7335

■ 41.2610, 42.6235,
44.0832

■ 18.6654, 22.7723,
41.4424

■ 46.4060, 46.6301,
44.5854

■ 17.0905, 20.9651,
41.1766

■ 52.0857, 50.9593,
45.1216

■ 15.8454, 19.3705,
40.9345

■ 58.3161, 55.6199,
45.6928

■ 14.8910, 17.9678,
40.7140

■ 65.1127, 60.6203,
46.2998

■ 14.3709, 17.1325,
40.5802

■ 68.3254, 63.8216,
46.7484

■ 69.3991, 65.9689,
47.1063

Harmonies

Analogous

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



27.9631, 32.4444, 38.5673



28.8598, 32.4444, 42.7715



30.3077, 32.4444, 45.0370

Triad

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



28.8598, 32.4444, 42.7715



34.0640, 32.4444, 36.8743



29.7517, 32.4444, 27.4886

Complementary

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



28.8598, 32.4444, 42.7715



30.1321, 29.2077, 25.1694

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.



31.3733, 32.4444, 27.1228



28.8598, 32.4444, 42.7715



33.9022, 32.4444, 32.2724

Square

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



28.8598, 32.4444, 42.7715



33.3379, 32.4444, 41.4378



32.9034, 32.4444, 28.7997



28.4652, 32.4444, 29.8476

Rectangle

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



28.8598, 32.4444, 42.7715



31.4074, 32.4444, 45.0170



32.9034, 32.4444, 28.7997



30.2744, 32.4444, 27.1371

Sweetspot

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



28.8608, 32.4457, 42.7722



63.6700, 68.3589, 78.8407



28.3643, 35.4091, 30.4099



14.1021, 15.1653, 17.5716



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.8608, 32.4457, 42.7722



49.3848, 56.2648, 77.2592



25.7433, 26.2108, 41.7331



7.5706, 8.1780, 9.5978



10.6195, 12.6993, 29.8670



0.2977, 0.3877, 0.7398

Inverse Universe

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



30.8190, 27.0154, 36.3925



53.5944, 44.9514, 63.4642



33.2941, 35.5318, 26.2234



7.7526, 7.6309, 9.0143



14.8609, 7.3531, 14.6107



0.3814, 0.1868, 0.4601

Previews

White Background



This preview shows how the XYZ color 28.8598, 32.4444, 42.7715 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 28.8598, 32.4444, 42.7715 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

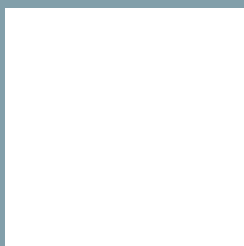
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8598, 32.4444, 42.7715

Background



This preview shows how black text looks on a background with the XYZ color 28.8598, 32.4444, 42.7715.



This preview shows how white text looks on a background with the XYZ color 28.8598, 32.4444,

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

28.8598, 32.4444, 42.7715

Protanopia

31.4110, 32.3079, 40.6569

Deuteranopia

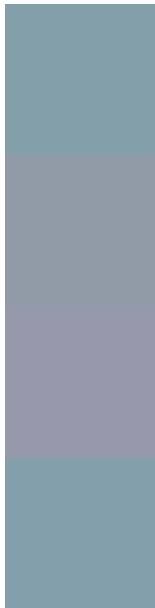
33.0507, 32.3683, 43.5355



Tritanopia

28.9547, 32.4824, 43.2717

Trichromacy



Original Color

28.8598, 32.4444, 42.7715

Protanomaly

30.3735, 32.2525, 41.1837

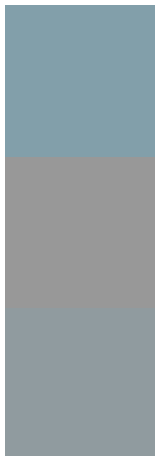
Deuteranomaly

31.3196, 32.2068, 43.0939

Tritanomaly

28.9547, 32.4824, 43.2717

Monochromacy



Original Color

28.8598, 32.4444, 42.7715

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.4810, 31.8752, 37.3996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8598, 32.4444, 42.7715 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(130, 159, 170)` looks like.

```
.text, #text, p{  
    color:rgb(130, 159, 170)  
}
```

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(130, 159, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 159, 170) }
```

Border

The CSS property to change the border of an element to XYZ 28.8598, 32.4444, 42.7715 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(130, 159, 170) }
```


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

```
.border{ border-color:rgb(130, 159, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 159, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 159, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 159, 170);  
box-shadow:4px 4px 4px 4px rgb(130, 159,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8598, 32.4444, 42.7715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 159, 170) }
```

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

```
.background{ background-color: rgb(130,  
159, 170) }
```

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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