

Converting Colors

XYZ(24.3847, 28.8056, 42.7283)

Have a look what the booklet for
XYZ(24.3847, 28.8056, 42.7283)
contains.

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Color

**XYZ(24.4998, 28.9350,
42.8218)**

Conversions

Conversions Part 1

Format	Color
Hex	679AAB
RGB	103, 154, 171
RGB Percent	40%, 60%, 67%
CMY	0.5961, 0.3961, 0.3294
CMYK	0.40, 0.10, 0.00, 0.33
HSL	195°, 29%, 54%
HSV	195°, 40%, 67%
XYZ	24.4998, 28.9350, 42.8218
YIQ	140.6890, -35.8530, -5.5250

Conversions

Conversions Part 2

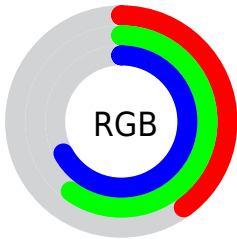
Format	Color
RYB	103, 132, 171
Decimal	6789803
CIELab	60.72, -12.50, -14.25
CIElCh	61, 18.954, 228.741
Yxy	28.9350, 0.2545, 0.3006
Android (android.graphics.Color)	4284979883 (0xFF679AAB)
YUV	140.6890, 14.9433, -33.0533
Hunter-Lab	53.7913, -12.8350, -9.5453

Details

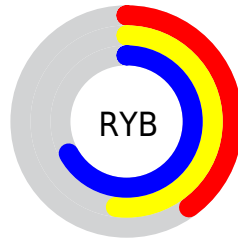
The XYZ color **24.4998, 28.9350, 42.8218** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.9598, 23.0707, 15.9177**, and the grayscale version is **25.1499, 26.4597, 28.8146**.

A 20% lighter version of the original color is **50.1880, 57.7708, 80.4572**, and **9.4954, 11.7105, 19.2127** is the 20% darker color. If you saturate the color by 10%, you get **22.0426, 26.6401, 42.5089**, and if you desaturate by 10%, it is **27.3851, 31.4892, 43.1633**.

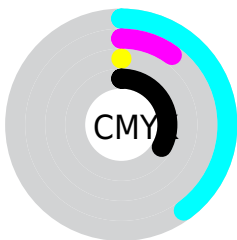
Distribution



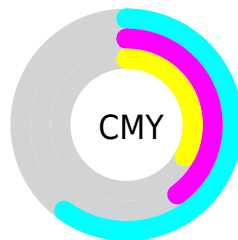
- Red (40%)
- Green (60%)
- Blue (67%)



- Red (40%)
- Yellow (52%)
- Blue (67%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (33%)



- Cyan (60%)
- Magenta (40%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4998, 28.9350, 42.8218 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 24.4998, 28.9350, 42.8218 by changing the saturation by 10% instead.

■ 24.4998, 28.9350,
42.8218

■ 24.4998, 28.9350,
42.8218

267.7315,
296.9082, 373.7781

■ 15.8315, 19.0317,
29.4150

■ 50.2933, 57.9738,
80.7254

■ 9.4951, 11.6932,
19.1467

■ 68.1493, 77.8780,
106.0591

■ 5.1252, 6.5351,
11.5984

■ 89.7986, 101.8847,
136.2057

■ 2.3564, 3.1731,
6.3517

■ 115.6065,
130.3782, 171.5834

■ 0.8233, 1.2228,
2.9878

145.9383,
163.7429, 212.6110

■ 0.0000, 0.0802,
1.0884

181.1596,

■ 0.0000, 0.0000,

202.3632, 259.7070

0.0000

221.6355,
246.6235, 313.2898

■ 24.4998, 28.9350,
42.8218

■ 24.4998, 28.9350,
42.8218

■ 22.0426, 26.6401,
42.5089

■ 27.3851, 31.4892,
43.1633

■ 19.9858, 24.5879,
42.2211

■ 30.7185, 34.3115,
43.5323

■ 18.3029, 22.7649,
41.9580

■ 34.5221, 37.4142,
43.9307

■ 16.9625, 21.1546,
41.7178

■ 38.8155, 40.8079,
44.3595

■ 15.9278, 19.7378,
41.4989

■ 43.6175, 44.5024,
44.8195

■ 15.1213, 18.4738,
41.2974

■ 48.9454, 48.5073,
45.3117

■ 15.1030, 18.4448,
41.2928

■ 54.8161, 52.8315,
45.8369

■ 61.2456, 57.4835,
46.3960

■ 67.5450, 62.1087,
46.9567

Harmonies

Analogous

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



23.2625, 28.9350, 36.0598



24.4998, 28.9350, 42.8218



26.5889, 28.9350, 46.7413

Triad

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



24.4998, 28.9350, 42.8218



32.4052, 28.9350, 34.2241



26.0104, 28.9350, 20.3420

Complementary

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



24.4998, 28.9350, 42.8218



25.9598, 23.0707, 15.9177

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.



28.4355, 28.9350, 20.0023



24.4998, 28.9350, 42.8218



32.2273, 28.9350, 27.3514

Square

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



24.4998, 28.9350, 42.8218



31.2120, 28.9350, 41.3067



30.7396, 28.9350, 22.3819



24.0981, 28.9350, 23.3917

Rectangle

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



24.4998, 28.9350, 42.8218



28.2267, 28.9350, 46.8759



30.7396, 28.9350, 22.3819



26.7895, 28.9350, 19.9260

Sweetspot

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



24.5007, 28.9361, 42.8225



60.0795, 65.5986, 78.4971



23.4789, 33.3387, 22.6092



13.2030, 14.4707, 17.4849



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.



24.5007, 28.9361, 42.8225



39.8493, 48.0685, 76.1798



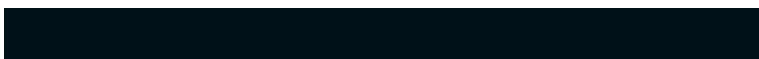
19.7986, 19.5319, 41.2551



8.0642, 8.7278, 10.2123



11.4286, 13.9911, 31.1427



0.3579, 0.4692, 0.8797

Inverse Universe

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



27.4783, 20.6923, 33.1187



46.1267, 31.8006, 55.4730



30.6128, 32.3767, 17.4687



8.2502, 8.1133, 9.6285



15.6323, 7.7155, 16.2409



0.4551, 0.2227, 0.5581

Previews

White Background



This preview shows how the XYZ color 24.4998, 28.9350, 42.8218 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4998, 28.9350, 42.8218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

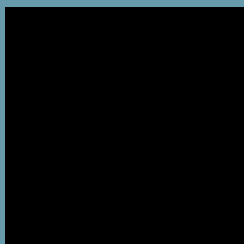
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

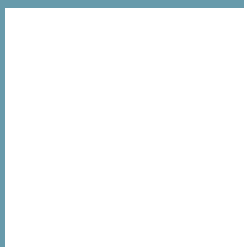
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4998, 28.9350, 42.8218

Background



This preview shows how black text looks on a background with the XYZ color 24.4998, 28.9350, 42.8218.



This preview shows how white text looks on a background with the XYZ color 24.4998, 28.9350,

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

24.4998, 28.9350, 42.8218

Protanopia

28.2446, 28.8071, 39.6690

Deuteranopia

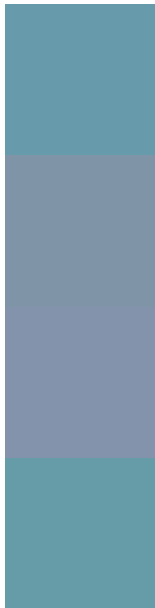
29.3979, 28.8651, 43.5572



Tritanopia

24.1759, 29.0575, 40.8937

Trichromacy



Original Color

24.4998, 28.9350, 42.8218

Protanomaly

26.4670, 28.5590, 40.6767

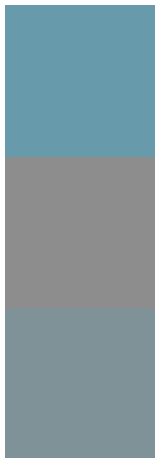
Deuteranomaly

27.2402, 28.6713, 43.1281

Tritanomaly

24.2687, 29.0946, 41.3825

Monochromacy



Original Color

24.4998, 28.9350, 42.8218

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.6988, 27.3368, 33.6805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4998, 28.9350, 42.8218 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(103, 154, 171)` looks like.

```
.text, #text, p{  
    color:rgb(103, 154, 171)  
}
```

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(103, 154, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 154, 171) }
```

Border

The CSS property to change the border of an element to XYZ 24.4998, 28.9350, 42.8218 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(103, 154, 171) }
```


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

```
.border{ border-color:rgb(103, 154, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 154, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 154, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 154, 171);  
box-shadow:4px 4px 4px 4px rgb(103, 154,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4998, 28.9350, 42.8218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 154, 171) }
```

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

```
.background{ background-color: rgb(103,  
154, 171) }
```

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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