

Converting Colors

XYZ(24.5058, 31.7572, 41.9479)

Have a look what the booklet for
XYZ(24.5058, 31.7572, 41.9479)
contains.

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Color

**XYZ(24.5475, 31.8121,
41.8924)**

Conversions

Conversions Part 1

Format	Color
Hex	58A5A8
RGB	88, 165, 168
RGB Percent	35%, 65%, 66%
CMY	0.6549, 0.3529, 0.3412
CMYK	0.48, 0.02, 0.00, 0.34
HSL	182°, 31%, 50%
HSV	182°, 48%, 66%
XYZ	24.5475, 31.8121, 41.8924
YIQ	142.3190, -46.8550, -15.3910

Conversions

Conversions Part 2

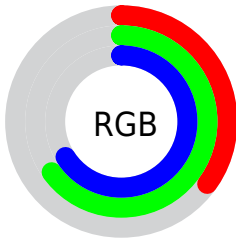
Format	Color
RYB	88, 127, 168
Decimal	5809576
CIELab	63.19, -22.91, -8.93
CIELCh	63, 24.590, 201.304
Yxy	31.8121, 0.2498, 0.3238
Android (android.graphics.Color)	4283999656 (0xFF58A5A8)
YUV	142.3190, 12.6607, -47.6378
Hunter-Lab	56.4022, -21.0167, -4.5557

Details

The XYZ color **24.5475, 31.8121, 41.8924** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.6516, 16.5121, 11.2793**, and the grayscale version is **25.8030, 27.1467, 29.5628**.

A 20% lighter version of the original color is **50.2402, 62.3538, 79.1996**, and **9.5364, 13.3181, 18.5910** is the 20% darker color. If you saturate the color by 10%, you get **23.0238, 30.8591, 41.7893**, and if you desaturate by 10%, it is **26.4401, 32.9576, 42.0143**.

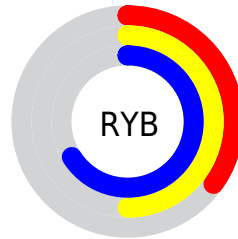
Distribution



Red (35%)

Green (65%)

Blue (66%)



Red (35%)

Yellow (50%)

Blue (66%)

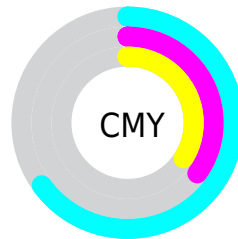


Cyan (48%)

Magenta (2%)

Yellow (0%)

Black (34%)



Cyan (65%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5475, 31.8121, 41.8924 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 24.5475, 31.8121, 41.8924 by changing the saturation by 10% instead.

■ 24.5475, 31.8121,
41.8924

■ 24.5475, 31.8121,
41.8924

267.9663,
310.2624, 369.8232

■ 15.8672, 21.2180,
28.6921

■ 50.3704, 62.5164,
79.3051

■ 9.5205, 13.2835,
18.6045

■ 68.2436, 83.3954,
104.3546

■ 5.1420, 7.6240,
11.2109

■ 89.9119, 108.4715,
134.1908

■ 2.3664, 3.8553,
6.0929

■ 115.7406,
138.1291, 169.2324

■ 0.8283, 1.5930,
2.8320

146.0950,
172.7526, 209.8980

■ 0.0000, 0.3529,
1.0095

181.3406,

■ 0.0000, 0.0000,

212.7264, 256.6059

0.0000

221.8425,
258.4349, 309.7748

■ 24.5475, 31.8121,
41.8924

■ 24.5475, 31.8121,
41.8924

■ 23.0238, 30.8591,
41.7893

■ 26.4401, 32.9576,
42.0143

■ 21.8406, 30.0818,
41.7016

■ 28.7220, 34.3038,
42.1539

■ 20.9701, 29.4665,
41.6288

■ 31.4151, 35.8628,
42.3129

■ 20.3788, 28.9960,
41.5691

■ 34.5392, 37.6449,
42.4922

■ 20.0128, 28.6424,
41.5201

■ 38.1127, 39.6595,
42.6927

■ 19.9363, 28.5638,
41.5090

■ 42.1530, 41.9155,
42.9152

■ 46.6764, 44.4214,
43.1605

■ 51.6985, 47.1853,
43.4293

■ 57.2344, 50.2149,
43.7223

Harmonies

Analogous

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



24.2257, 31.8121, 31.8846



24.5475, 31.8121, 41.8924



26.3321, 31.8121, 51.3948

Triad

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



24.5475, 31.8121, 41.8924



35.6290, 31.8121, 47.7059



31.2353, 31.8121, 19.2356

Complementary

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



24.5475, 31.8121, 41.8924



21.6516, 16.5121, 11.2793

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.



34.5089, 31.8121, 21.9879



24.5475, 31.8121, 41.8924



37.1673, 31.8121, 37.5454

Square

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



24.5475, 31.8121, 41.8924



32.6734, 31.8121, 55.1645



36.7427, 31.8121, 28.2734



27.9238, 31.8121, 19.9633

Rectangle

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



24.5475, 31.8121, 41.8924



28.1897, 31.8121, 55.5628



36.7427, 31.8121, 28.2734



32.3800, 31.8121, 19.7622

Sweetspot

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



24.5485, 31.8133, 41.8931



58.8225, 66.1180, 76.8869



19.9018, 30.8302, 14.7250



12.5742, 14.2697, 16.7437



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.



24.5485, 31.8133, 41.8931



41.6750, 55.9307, 75.8243



18.4690, 19.6545, 39.8667



7.7231, 8.4831, 9.6487



15.0635, 21.5872, 31.3483



0.3736, 0.5395, 0.7651

Inverse Universe

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



26.4305, 18.0217, 37.6841



45.5494, 28.0518, 67.0445



25.9822, 25.1734, 12.7228



7.8296, 7.6617, 9.4198



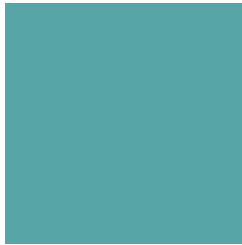
17.1040, 8.2503, 26.4227



0.4197, 0.2022, 0.6618

Previews

White Background



This preview shows how the XYZ color 24.5475, 31.8121, 41.8924 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 24.5475, 31.8121, 41.8924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

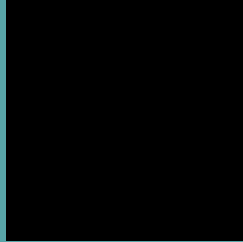
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.5475, 31.8121, 41.8924

Background



This preview shows how black text looks on a background with the XYZ color 24.5475, 31.8121, 41.8924.

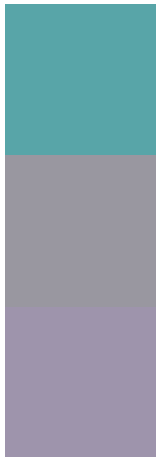


This preview shows how white text looks on a background with the XYZ color 24.5475, 31.8121,

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

24.5475, 31.8121, 41.8924

Protanopia

30.5486, 31.4436, 37.7168

Deuteranopia

32.1368, 31.4275, 43.4020



Tritanopia

25.5257, 31.9494, 46.4165

Trichromacy



Original Color

24.5475, 31.8121, 41.8924

Protanomaly

27.5526, 31.0884, 39.1988

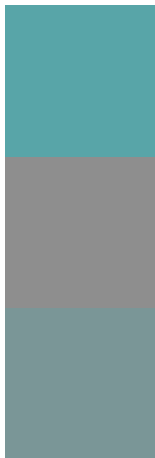
Deuteranomaly

28.5792, 31.0380, 43.0127

Tritanomaly

25.1319, 31.7806, 44.8541

Monochromacy



Original Color

24.5475, 31.8121, 41.8924

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.5183, 28.1846, 33.4261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5475, 31.8121, 41.8924 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(88, 165, 168)` looks like.

```
.text, #text, p{  
    color:rgb(88, 165, 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(88, 165, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 165, 168) }
```

Border

The CSS property to change the border of an element to XYZ 24.5475, 31.8121, 41.8924 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(88, 165, 168) }
```


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

```
.border{ border-color:rgb(88, 165, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 165, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 165, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 165, 168);  
box-shadow:4px 4px 4px 4px rgb(88, 165,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5475, 31.8121, 41.8924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 165, 168) }
```

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

```
.background{ background-color: rgb(88, 165,  
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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