

Converting Colors

XYZ(24.2461, 31.6498, 39.3912)

Have a look what the booklet for
XYZ(24.2461, 31.6498, 39.3912)
contains.

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Color

**XYZ(24.2824, 31.7283,
39.4947)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA5A3
RGB	90, 165, 163
RGB Percent	35%, 65%, 64%
CMY	0.6470, 0.3529, 0.3608
CMYK	0.45, 0.00, 0.01, 0.35
HSL	178°, 29%, 50%
HSV	178°, 45%, 65%
XYZ	24.2824, 31.7283, 39.4947
YIQ	142.3470, -44.0580, -16.5220

Conversions

Conversions Part 2

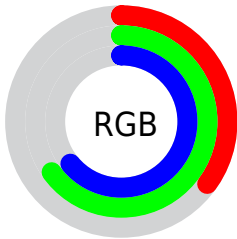
Format	Color
RYB	90, 128, 165
Decimal	5940643
CIELab	63.12, -23.76, -6.22
CIELCh	63, 24.562, 194.679
Yxy	31.7283, 0.2543, 0.3322
Android (android.graphics.Color)	4284130723 (0xFF5AA5A3)
YUV	142.3470, 10.1819, -45.9083
Hunter-Lab	56.3279, -21.6242, -2.1421

Details

The XYZ color **24.2824, 31.7283, 39.4947** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.1060, 16.0852, 12.1185**, and the grayscale version is **25.8227, 27.1675, 29.5855**.

A 20% lighter version of the original color is **49.9251, 62.2681, 75.7173**, and **9.3700, 13.2650, 17.1055** is the 20% darker color. If you saturate the color by 10%, you get **22.8131, 30.9762, 39.2210**, and if you desaturate by 10%, it is **26.1100, 32.6666, 39.7873**.

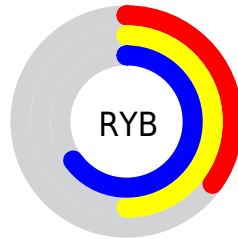
Distribution



Red (35%)

Green (65%)

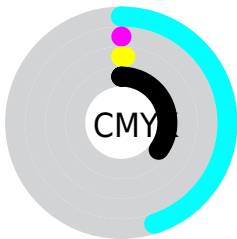
Blue (64%)



Red (35%)

Yellow (50%)

Blue (65%)

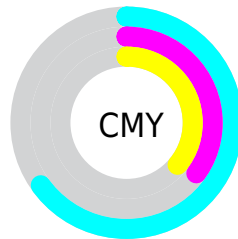


Cyan (45%)

Magenta (0%)

Yellow (1%)

Black (35%)



Cyan (65%)

Magenta (35%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2824, 31.7283, 39.4947 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 24.2824, 31.7283, 39.4947 by changing the saturation by 10% instead.

■ 24.2824, 31.7283,
39.4947

■ 24.2824, 31.7283,
39.4947

266.6592,
309.8797, 359.4777

■ 15.6691, 21.1541,
26.8340

■ 49.9420, 62.3849,
75.6221

■ 9.3797, 13.2367,
17.2173

■ 67.7190, 83.2361,
99.9259

■ 5.0487, 7.5917,
10.2259

■ 89.2812, 108.2816,
128.9478

■ 2.3109, 3.8348,
5.4414

■ 114.9941,
137.9060, 163.1063

■ 0.8003, 1.5816,
2.4453

145.2230,
172.4936, 202.8200

■ 0.0000, 0.3451,
0.8110

180.3332,

■ 0.0000, 0.0000,

212.4289, 248.5075

0.0000

220.6902,
258.0961, 300.5872

■ 24.2824, 31.7283,
39.4947

■ 24.2824, 31.7283,
39.4947

■ 22.8131, 30.9762,
39.2210

■ 26.1100, 32.6666,
39.7873

■ 21.6754, 30.3942,
38.9628

■ 28.3147, 33.7986,
40.0976

■ 20.8435, 29.9699,
38.7196


■ 30.9174, 35.1358,
40.4272


■ 20.2866, 29.6872,
38.4901


■ 33.9367, 36.6876,
40.7770


■ 19.9649, 29.5259,
38.2722

■ 37.3898, 38.4632,
41.1479

 19.8534, 29.4705,
38.1751

 41.2933, 40.4708,
41.5405

 45.6626, 42.7186,
41.9557

 50.5125, 45.2142,
42.3941

 55.8573, 47.9648,
42.8564

Harmonies

Analogous

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



24.2988, 31.7283, 29.8468



24.2824, 31.7283, 39.4947



25.7568, 31.7283, 49.3997

Triad

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



24.2824, 31.7283, 39.4947



34.9744, 31.7283, 49.5875



31.9115, 31.7283, 19.4931

Complementary

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



24.2824, 31.7283, 39.4947



21.1060, 16.0852, 12.1185

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.



35.0314, 31.7283, 23.0163



24.2824, 31.7283, 39.4947



36.8879, 31.7283, 39.7159

Square

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



24.2824, 31.7283, 39.4947



31.8383, 31.7283, 55.9261



36.9095, 31.7283, 30.0303



28.5355, 31.7283, 19.4562

Rectangle

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



24.2824, 31.7283, 39.4947



27.4549, 31.7283, 54.3099



36.9095, 31.7283, 30.0303



33.0304, 31.7283, 20.2747

Sweetspot

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



24.2833, 31.7295, 39.4954



55.9762, 63.2354, 72.4724



19.7653, 29.9509, 14.4128



12.0113, 13.7082, 15.8166



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.2833, 31.7295, 39.4954



40.7271, 55.4084, 70.2128



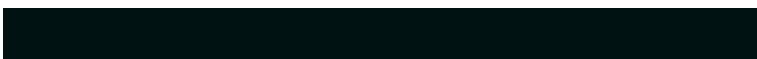
18.9915, 20.8565, 38.6235



7.2679, 8.0080, 9.0226



15.0218, 22.2951, 28.8949



0.3180, 0.4694, 0.6196

Inverse Universe

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



21.1060, 16.0852, 12.1185



34.2863, 23.6745, 14.7013



24.6972, 23.4058, 12.8895



7.0811, 7.0889, 7.4134



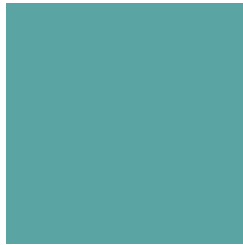
11.7601, 6.0601, 0.6613



0.2493, 0.1282, 0.0253

Previews

White Background



This preview shows how the XYZ color 24.2824, 31.7283, 39.4947 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 24.2824, 31.7283, 39.4947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

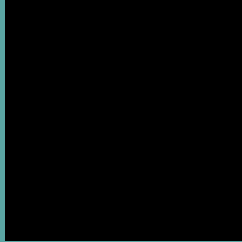
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.2824, 31.7283, 39.4947

Background



This preview shows how black text looks on a background with the XYZ color 24.2824, 31.7283, 39.4947.

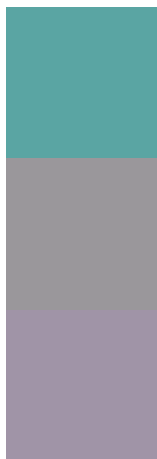


This preview shows how white text looks on a background with the XYZ color 24.2824, 31.7283,

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

24.2824, 31.7283, 39.4947

Protanopia

30.3094, 31.3698, 35.4678

Deuteranopia

32.0622, 31.4434, 40.9385



Tritanopia

25.5498, 31.7087, 45.8481

Trichromacy



Original Color

24.2824, 31.7283, 39.4947

Protanomaly

27.4201, 31.0709, 36.8998

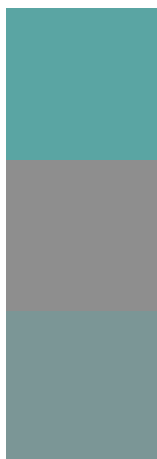
Deuteranomaly

28.4302, 31.0153, 40.5645

Tritanomaly

25.1403, 31.8183, 43.3446

Monochromacy



Original Color

24.2824, 31.7283, 39.4947

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.5797, 28.2257, 33.0068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2824, 31.7283, 39.4947 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(90, 165, 163)` looks like.

```
.text, #text, p{  
    color:rgb(90, 165, 163)  
}
```

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(90, 165, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 165, 163) }
```

Border

The CSS property to change the border of an element to XYZ 24.2824, 31.7283, 39.4947 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(90, 165, 163) }
```


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

```
.border{ border-color:rgb(90, 165, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 165, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 165, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 165, 163);  
box-shadow:4px 4px 4px 4px rgb(90, 165,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2824, 31.7283, 39.4947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 165, 163) }
```

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

```
.background{ background-color: rgb(90, 165,  
163) }
```

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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