

Converting Colors

XYZ(18.3472, 24.3673, 28.0013)

Have a look what the booklet for
XYZ(18.3472, 24.3673, 28.0013)
contains.

XYZ(18.4022, 24.4370, 28.1730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.4022, 24.4370,
28.1730)**

Conversions

Conversions Part 1

Format	Color
Hex	50938B
RGB	80, 147, 139
RGB Percent	31%, 58%, 55%
CMY	0.6863, 0.4235, 0.4549
CMYK	0.46, 0.00, 0.05, 0.42
HSL	173°, 30%, 45%
HSV	173°, 46%, 58%
XYZ	18.4022, 24.4370, 28.1730
YIQ	126.0550, -37.3640, -16.6920

Conversions

Conversions Part 2

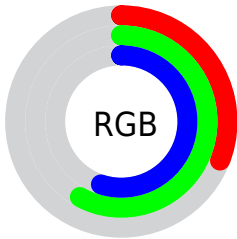
Format	Color
RYB	80, 116, 147
Decimal	5280651
CIELab	56.52, -23.34, -2.41
CIELCh	57, 23.467, 185.883
Yxy	24.4370, 0.2591, 0.3441
Android (android.graphics.Color)	4283470731 (0xFF50938B)
YUV	126.0550, 6.3819, -40.3902
Hunter-Lab	49.4338, -20.0608, 0.8135

Details

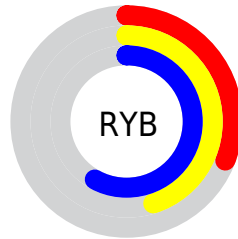
The XYZ color **18.4022, 24.4370, 28.1730** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.6636, 12.6457, 10.7961**, and the grayscale version is **19.8386, 20.8717, 22.7293**.

A 20% lighter version of the original color is **40.0739, 50.5656, 57.5172**, and **6.3627, 9.2812, 10.9073** is the 20% darker color. If you saturate the color by 10%, you get **17.1672, 23.8156, 27.4514**, and if you desaturate by 10%, it is **19.9123, 25.2011, 28.9193**.

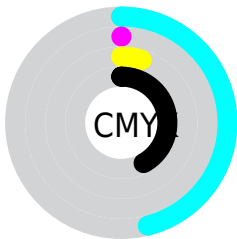
Distribution



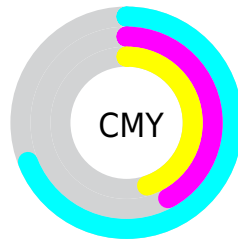
- Red (31%)
- Green (58%)
- Blue (55%)



- Red (31%)
- Yellow (45%)
- Blue (58%)



- Cyan (46%)
- Magenta (0%)
- Yellow (5%)
- Black (42%)



- Cyan (69%)
- Magenta (42%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4022, 24.4370, 28.1730 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 18.4022, 24.4370, 28.1730 by changing the saturation by 10% instead.

■ 18.4022, 24.4370,
28.1730

■ 18.4022, 24.4370,
28.1730

236.1304,
275.0224, 307.2306

■ 11.3406, 15.6581,
18.2159

■ 40.2462, 50.7424,
57.7869

■ 6.3654, 9.2825,
10.9341

■ 55.7593, 69.0377,
78.2809

■ 3.1113, 4.9259,
5.9089

■ 74.8203, 91.2739,
103.1243

■ 1.2129, 2.2039,
2.7219

■ 97.7944, 117.8354,
132.7355

■ 0.1165, 0.7221,
0.9544

■ 125.0472,
149.1066, 167.5332

■ 0.0000, 0.0000,
0.0000

156.9438,

185.4719, 207.9360

193.8498,
227.3157, 254.3622

■ 18.4022, 24.4370,
28.1730

■ 18.4022, 24.4370,
28.1730

■ 17.1672, 23.8156,
27.4514

■ 19.9123, 25.2011,
28.9193

■ 16.1872, 23.3249,
26.7519

■ 21.7116, 26.1135,
29.6894

■ 15.4428, 22.9554,
26.0741

■ 23.8158, 27.1829,
30.4846

■ 14.9111, 22.6953,
25.4169

■ 26.2390, 28.4164,
31.3057

■ 14.5598, 22.5279,
24.7786

■ 28.9942, 29.8209,
32.1532

■ 14.4263, 22.4651,
24.5007

■ 32.0937, 31.4026,
33.0279

■ 35.5494, 33.1677,
33.9303

■ 39.3724, 35.1218,
34.8609

■ 43.5733, 37.2706,
35.8204

Harmonies

Analogous

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



18.7720, 24.4370, 20.9440



18.4022, 24.4370, 28.1730



19.2411, 24.4370, 36.3898

Triad

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



18.4022, 24.4370, 28.1730



26.4295, 24.4370, 40.6846



25.4302, 24.4370, 15.1429

Complementary

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



18.4022, 24.4370, 28.1730



16.6636, 12.6457, 10.7961

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.



27.7278, 24.4370, 18.7575



18.4022, 24.4370, 28.1730



28.3355, 24.4370, 33.2103

Square

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



18.4022, 24.4370, 28.1730



23.7669, 24.4370, 44.4648



28.8282, 24.4370, 25.1016



22.6946, 24.4370, 14.3147

Rectangle

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



18.4022, 24.4370, 28.1730



20.4145, 24.4370, 41.0371



28.8282, 24.4370, 25.1016



26.2858, 24.4370, 16.0324

Sweetspot

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



18.4029, 24.4380, 28.1736



43.1762, 48.9470, 54.7786



15.9959, 23.5682, 11.2960



9.6724, 11.0800, 12.4393



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.4029, 24.4380, 28.1736



30.6340, 42.5942, 49.0894



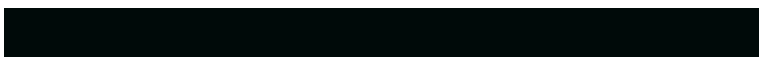
15.5884, 17.8387, 30.2265



5.9346, 6.5504, 7.2665



12.5123, 19.4777, 21.2713



0.1599, 0.2411, 0.2960

Inverse Universe

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



16.6636, 12.6457, 10.7961



27.1158, 18.6681, 13.8847



18.4890, 16.7982, 9.8579



5.8273, 5.8260, 6.1968



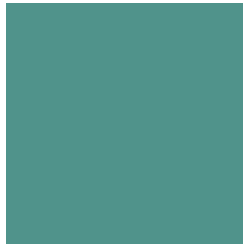
10.5285, 5.4165, 0.9984



0.1344, 0.0685, 0.0411

Previews

White Background



This preview shows how the XYZ color 18.4022, 24.4370, 28.1730 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 18.4022, 24.4370, 28.1730 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 18.4022, 24.4370, 28.1730

Background



This preview shows how black text looks on a background with the XYZ color 18.4022, 24.4370, 28.1730.



This preview shows how white text looks on a background with the XYZ color 18.4022, 24.4370,

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

18.4022, 24.4370, 28.1730

Protanopia

23.1712, 24.1194, 25.2641

Deuteranopia

24.6758, 24.2053, 28.9627



Tritanopia

19.7203, 24.2781, 35.0993

Trichromacy



Original Color

18.4022, 24.4370, 28.1730

Protanomaly

20.9419, 23.9964, 26.4497

Deuteranomaly

21.6385, 23.8794, 28.6680

Tritanomaly

19.1977, 24.2918, 32.5311

Monochromacy



Original Color

18.4022, 24.4370, 28.1730

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

18.9285, 21.9401, 24.7100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4022, 24.4370, 28.1730 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(80, 147, 139)` looks like.

```
.text, #text, p{  
    color:rgb(80, 147, 139)  
}
```

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(80, 147, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 147, 139) }
```

Border

The CSS property to change the border of an element to XYZ 18.4022, 24.4370, 28.1730 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(80, 147, 139) }
```


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

```
.border{ border-color:rgb(80, 147, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 147, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 147, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 147, 139);  
box-shadow:4px 4px 4px 4px rgb(80, 147,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4022, 24.4370, 28.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 147, 139) }
```

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

```
.background{ background-color: rgb(80, 147,  
139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor