

Converting Colors

XYZ(18.4760, 24.3043, 32.4230)

Have a look what the booklet for
XYZ(18.4760, 24.3043, 32.4230)
contains.

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Color

**XYZ(18.5373, 24.4090,
32.5886)**

Conversions

Conversions Part 1

Format	Color
Hex	479396
RGB	71, 147, 150
RGB Percent	28%, 58%, 59%
CMY	0.7216, 0.4235, 0.4118
CMYK	0.53, 0.02, 0.00, 0.41
HSL	182°, 36%, 43%
HSV	182°, 53%, 59%
XYZ	18.5373, 24.4090, 32.5886
YIQ	124.6180, -46.2590, -15.1790

Conversions

Conversions Part 2

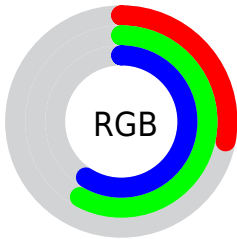
Format	Color
R_{YB}	71, 110, 150
Decimal	4690838
CIE _{Lab}	56.49, -22.52, -8.79
CIE _{LCh}	56, 24.173, 201.326
Yxy	24.4090, 0.2454, 0.3231
Android (android.graphics.Color)	4282880918 (0xFF479396)
YUV	124.6180, 12.5133, -47.0230
Hunter-Lab	49.4055, -19.4850, -4.5248

Details

The XYZ color **18.5373, 24.4090, 32.5886** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.1644, 11.8371, 7.3948**, and the grayscale version is **19.3359, 20.3428, 22.1534**.

A 20% lighter version of the original color is **40.3899, 50.5685, 64.7587**, and **6.4350, 9.2666, 13.2539** is the 20% darker color. If you saturate the color by 10%, you get **17.4820, 23.7344, 32.5144**, and if you desaturate by 10%, it is **19.8661, 25.2264, 32.6768**.

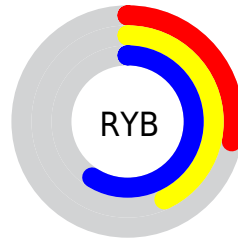
Distribution



Red (28%)

Green (58%)

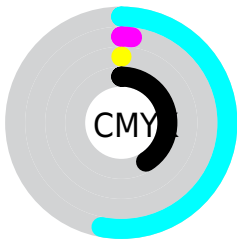
Blue (59%)



Red (28%)

Yellow (43%)

Blue (59%)

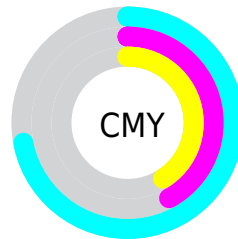


Cyan (53%)

Magenta (2%)

Yellow (0%)

Black (41%)



Cyan (72%)

Magenta (42%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5373, 24.4090, 32.5886 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 18.5373, 24.4090, 32.5886 by changing the saturation by 10% instead.

■ 18.5373, 24.4090,
32.5886

■ 18.5373, 24.4090,
32.5886

236.8698,
274.8818, 328.3668

■ 11.4384, 15.6373,
21.5429

■ 40.4737, 50.6968,
64.8413

■ 6.4320, 9.2679,
13.3264

■ 56.0420, 68.9817,
86.8854

■ 3.1526, 4.9163,
7.5203

■ 75.1641, 91.2065,
113.4327

■ 1.2350, 2.1982,
3.7062

■ 98.2054, 117.7554,
144.9019

■ 0.1337, 0.7190,
1.4656

■ 125.5313,
149.0131, 181.7113

■ 0.0000, 0.0000,
0.1921

157.5071,

■ 0.0000, 0.0000,

185.3637, 224.2796

0.0000

194.4981,
227.1918, 273.0252

■ 18.5373, 24.4090,
32.5886

■ 18.5373, 24.4090,
32.5886

■ 17.4820, 23.7344,
32.5144

■ 19.8661, 25.2264,
32.6768

■ 16.6776, 23.1892,
32.4516

■ 21.4845, 26.1931,
32.7781

■ 16.1016, 22.7625,
32.3996

■ 23.4099, 27.3188,
32.8939

■ 15.7265, 22.4399,
32.3571

■ 25.6577, 28.6113,
33.0249

■ 15.5249, 22.2416,
32.3295

■ 28.2424, 30.0782,
33.1718

■ 31.1774, 31.7263,
33.3352

■ 34.4755, 33.5622,
33.5157

■ 38.1489, 35.5923,
33.7140

■ 42.2091, 37.8224,
33.9304

Harmonies

Analogous

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



18.2741, 24.4090, 24.3189



18.5373, 24.4090, 32.5886



19.9955, 24.4090, 40.5247

Triad

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



18.5373, 24.4090, 32.5886



27.6624, 24.4090, 37.4243



24.0215, 24.4090, 14.0624

Complementary

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



18.5373, 24.4090, 32.5886



16.1644, 11.8371, 7.3948

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.



26.7298, 24.4090, 16.2650



18.5373, 24.4090, 32.5886



28.9400, 24.4090, 28.9713

Square

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



18.5373, 24.4090, 32.5886



25.2137, 24.4090, 43.6842



28.5856, 24.4090, 21.3547



21.2965, 24.4090, 14.6457

Rectangle

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



18.5373, 24.4090, 32.5886



21.5184, 24.4090, 44.0250



28.5856, 24.4090, 21.3547



24.9670, 24.4090, 14.4822

Sweetspot

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



18.5380, 24.4099, 32.5892



43.7635, 49.6240, 58.1931



14.7292, 23.6424, 10.2019



9.5364, 10.9041, 12.8869



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.



18.5380, 24.4099, 32.5892



30.5989, 41.7187, 57.3610



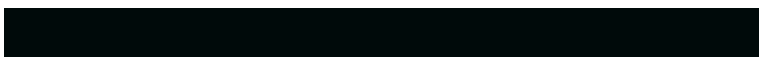
13.4528, 14.2394, 30.8941



5.9454, 6.5249, 7.4158



12.8812, 18.4573, 26.8147



0.1624, 0.2354, 0.3298

Inverse Universe

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



20.0980, 13.0978, 29.0735



33.6985, 19.7210, 50.2685



19.6357, 18.7798, 8.5519



6.0259, 5.9054, 7.2426



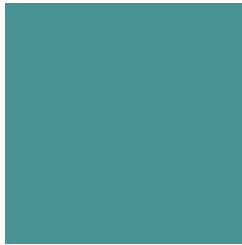
14.6289, 7.0566, 22.5908



0.1814, 0.0873, 0.2891

Previews

White Background



This preview shows how the XYZ color 18.5373, 24.4090, 32.5886 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 18.5373, 24.4090, 32.5886 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

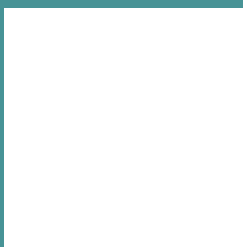
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5373, 24.4090, 32.5886

Background



This preview shows how black text looks on a background with the XYZ color 18.5373, 24.4090, 32.5886.

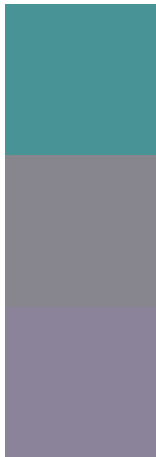


This preview shows how white text looks on a background with the XYZ color 18.5373, 24.4090,

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

18.5373, 24.4090, 32.5886

Protanopia

23.3993, 24.1541, 29.0201

Deuteranopia

24.5135, 24.0215, 33.4816



Tritanopia

19.2745, 24.4822, 36.0574

Trichromacy



Original Color

18.5373, 24.4090, 32.5886

Protanomaly

21.0255, 23.9543, 30.3035

Deuteranomaly

21.5526, 23.7357, 33.1513

Tritanomaly

18.9429, 24.3408, 34.7102

Monochromacy



Original Color

18.5373, 24.4090, 32.5886

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.5163, 21.4995, 25.7282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5373, 24.4090, 32.5886 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(71, 147, 150)` looks like.

```
.text, #text, p{  
    color:rgb(71, 147, 150)  
}
```

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(71, 147, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 147, 150) }
```

Border

The CSS property to change the border of an element to XYZ 18.5373, 24.4090, 32.5886 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(71, 147, 150) }
```


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

```
.border{ border-color:rgb(71, 147, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 147, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 147, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 147, 150);  
box-shadow:4px 4px 4px 4px rgb(71, 147,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5373, 24.4090, 32.5886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 147, 150) }
```

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

```
.background{ background-color: rgb(71, 147,  
150) }
```

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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