

# Converting Colors

XYZ(24.3818, 30.7254, 51.0999)

Have a look what the booklet for  
XYZ(24.3818, 30.7254, 51.0999)  
contains.

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# Color

**XYZ(24.3818, 30.7254,  
51.0999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47A2BA
RGB	71, 162, 186
RGB Percent	28%, 64%, 73%
CMY	0.7215, 0.3647, 0.2706
CMYK	0.62, 0.13, 0.00, 0.27
HSL	193°, 45%, 50%
HSV	193°, 62%, 73%
XYZ	24.3818, 30.7254, 51.0999
YIQ	137.5270, -61.9400, -11.8280

# Conversions

## Conversions Part 2

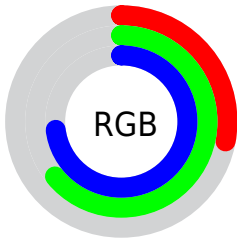
<b>Format</b>	<b>Color</b>
<b>RYB</b>	71, 122, 186
Decimal	4694714
CIELab	62.28, -19.70, -20.47
CIELCh	62, 28.405, 226.098
Yxy	30.7254, 0.2296, 0.2893
Android (android.graphics.Color)	4282884794 (0xFF47A2BA)
YUV	137.5270, 23.8972, -58.3442
Hunter-Lab	55.4305, -18.4879, -15.8565

# Details

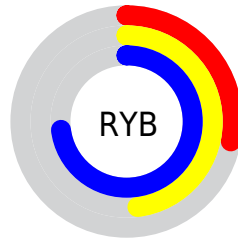
The XYZ color **24.3818, 30.7254, 51.0999** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **25.4802, 19.0796, 8.3021**, and the grayscale version is **23.9075, 25.1526, 27.3912**.

A 20% lighter version of the original color is **50.0458, 60.7823, 93.0989**, and **9.8096, 12.8453, 24.1527** is the 20% darker color. If you saturate the color by 10%, you get **22.5477, 28.7810, 50.8218**, and if you desaturate by 10%, it is **26.6565, 32.9295, 51.4060**.

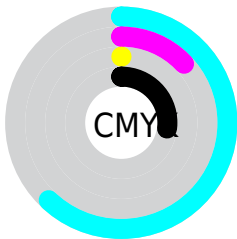
# Distribution



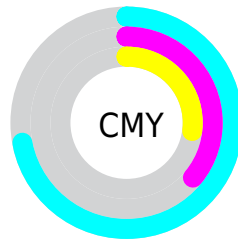
- Red (28%)
- Green (64%)
- Blue (73%)



- Red (28%)
- Yellow (48%)
- Blue (73%)



- Cyan (62%)
- Magenta (13%)
- Yellow (0%)
- Black (27%)



- Cyan (72%)
- Magenta (36%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3818, 30.7254, 51.0999 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 24.3818, 30.7254, 51.0999 by changing the saturation by 10% instead.



■ 24.3818, 30.7254,  
51.0999

■ 24.3818, 30.7254,  
51.0999

267.1499,  
305.2712, 407.8094

■ 15.7433, 20.3898,  
35.9108

■ 50.1027, 60.8075,  
93.2154

■ 9.4324, 12.6787,  
24.0762

■ 67.9158, 81.3228,  
120.9790

■ 5.0836, 7.2077,  
15.1774

■ 89.5179, 106.0001,  
153.7711

■ 2.3317, 3.5923,  
8.7960

■ 115.2743,  
135.2239, 192.0104

■ 0.8108, 1.4482,  
4.5134

■ 145.5503,  
169.3785, 236.1153

■ 0.0000, 0.2519,  
1.9110

180.7114,

■ 0.0000, 0.0000,

208.8483, 286.5044

0.4997

221.1228,  
254.0178, 343.5963

■ 0.0000, 0.0000,  
0.0000

■ 24.3818, 30.7254,  
51.0999

■ 24.3818, 30.7254,  
51.0999

■ 22.5477, 28.7810,  
50.8218

■ 26.6565, 32.9295,  
51.4060

■ 21.1114, 27.0721,  
50.5677

■ 29.4034, 35.4081,  
51.7396

■ 20.0268, 25.5754,  
50.3359

■ 32.6547, 38.1785,  
52.1030

■ 19.3253, 24.4698,  
50.1595

■ 36.4388, 41.2558,  
52.4976

■ 40.7819, 44.6536,  
52.9245

■ 45.7084, 48.3849,  
53.3851

■ 51.2413, 52.4618,  
53.8804

■ 57.4023, 56.8956,  
54.4115

■ 64.2121, 61.6973,  
54.9794

# Harmonies

## Analogous

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



22.6748, 30.7254, 39.6606



24.3818, 30.7254, 51.0999



27.4671, 30.7254, 58.4343

# Triad

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



24.3818, 30.7254, 51.0999



36.9644, 30.7254, 38.7908



27.2057, 30.7254, 16.9868

# Complementary

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



24.3818, 30.7254, 51.0999



25.4802, 19.0796, 8.3021

# 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.



31.0117, 30.7254, 16.8537



24.3818, 30.7254, 51.0999



36.8788, 30.7254, 27.9326

# Square

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



24.3818, 30.7254, 51.0999



34.8470, 30.7254, 50.3441



34.6225, 30.7254, 20.4259



24.2049, 30.7254, 20.8408



# Rectangle

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



24.3818, 30.7254, 51.0999



29.9942, 30.7254, 59.1613



34.6225, 30.7254, 20.4259



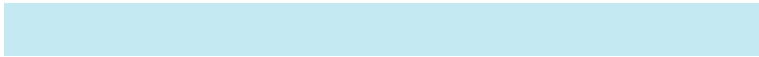
28.4270, 30.7254, 16.5397

# Sweetspot

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



24.3828, 30.7265, 51.1006



67.9258, 76.2681, 95.3425



22.1788, 37.2663, 16.6151



14.4853, 16.4200, 20.9485



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



24.3828, 30.7265, 51.1006



39.9062, 51.0675, 91.9551



16.5652, 15.0914, 48.4948



9.1033, 9.8838, 11.5074



13.0565, 16.5727, 33.7638



0.5009, 0.6654, 1.2038



# Inverse Universe

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



29.0254, 17.5553, 36.0422



49.4804, 26.8748, 60.2349



32.5352, 33.1896, 10.6538



9.2985, 9.1298, 10.9192



17.2040, 8.4554, 19.4930



0.6270, 0.3063, 0.7951



# Previews

## White Background



This preview shows how the XYZ color 24.3818, 30.7254, 51.0999 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 24.3818, 30.7254, 51.0999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

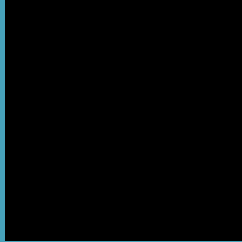
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 24.3818, 30.7254, 51.0999**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.3818, 30.7254, 51.0999.



This preview shows how white text looks on a background with the XYZ color 24.3818, 30.7254,



# 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

24.3818, 30.7254, 51.0999

### Protanopia

30.0273, 30.2834, 45.8576

### Deuteranopia

30.9467, 30.3812, 52.3772



## Tritanopia

23.5260, 30.9185, 46.3229

# Trichromacy



## Original Color

24.3818, 30.7254, 51.0999

## Protanomaly

26.9656, 29.8597, 47.5223

## Deuteranomaly

27.6415, 29.8692, 51.8854

## Tritanomaly

23.7193, 30.7186, 47.8592

# Monochromacy



## Original Color

24.3818, 30.7254, 51.0999

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

23.2895, 26.8114, 34.9580

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.3818, 30.7254, 51.0999 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, 162, 186)` looks like.

```
.text, #text, p{  
    color:rgb(71, 162, 186)  
}
```

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, 162, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 162, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 24.3818, 30.7254, 51.0999 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, 162, 186) }
```



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

```
.border{ border-color:rgb(71, 162, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 162, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 162, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 162, 186);  
box-shadow:4px 4px 4px 4px rgb(71, 162,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.3818, 30.7254, 51.0999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 162, 186) }
```

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

```
.background{ background-color: rgb(71, 162,  
186) }
```

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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