

Converting Colors

XYZ(24.4876, 30.2191, 57.6178)

Have a look what the booklet for
XYZ(24.4876, 30.2191, 57.6178)
contains.

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Color

**XYZ(24.3938, 30.0724,
57.3422)**

Conversions

Conversions Part 1

Format	Color
Hex	3AA0C5
RGB	58, 160, 197
RGB Percent	23%, 63%, 77%
CMY	0.7725, 0.3725, 0.2274
CMYK	0.71, 0.19, 0.00, 0.23
HSL	196°, 55%, 50%
HSV	196°, 71%, 77%
XYZ	24.3938, 30.0724, 57.3422
YIQ	133.7200, -72.6690, -10.1170

Conversions

Conversions Part 2

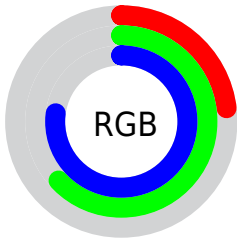
Format	Color
R _{YB}	58, 117, 197
Decimal	3842245
CIE Lab	61.72, -17.24, -27.52
CIE LCh	62, 32.470, 237.936
Yxy	30.0724, 0.2182, 0.2690
Android (android.graphics.Color)	4282032325 (0xFF3AA0C5)
YUV	133.7200, 31.1970, -66.4064
Hunter-Lab	54.8383, -16.5646, -23.6103

Details

The XYZ color **24.3938, 30.0724, 57.3422** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **27.8831, 20.3619, 6.4648**, and the grayscale version is **22.4670, 23.6370, 25.7407**.

A 20% lighter version of the original color is **50.2159, 59.8942, 102.6800**, and **10.3205, 12.7083, 27.8956** is the 20% darker color. If you saturate the color by 10%, you get **22.5701, 27.8115, 57.0025**, and if you desaturate by 10%, it is **26.6959, 32.6379, 57.7166**.

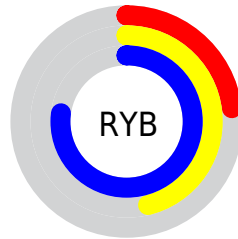
Distribution



Red (23%)

Green (63%)

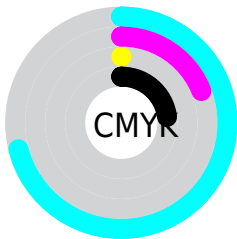
Blue (77%)



Red (23%)

Yellow (46%)

Blue (77%)

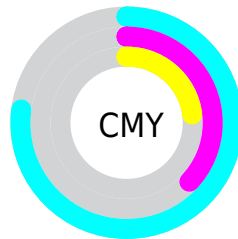


Cyan (71%)

Magenta (19%)

Yellow (0%)

Black (23%)



Cyan (77%)

Magenta (37%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3938, 30.0724, 57.3422 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 24.3938, 30.0724, 57.3422 by changing the saturation by 10% instead.

■ 24.3938, 30.0724,
57.3422

■ 24.3938, 30.0724,
57.3422

267.2091,
302.2418, 432.2599

■ 15.7523, 19.8935,
40.8689

■ 50.1221, 59.7767,
102.4696

■ 9.4388, 12.3177,
27.8977

■ 67.9396, 80.0708,
131.9608

■ 5.0879, 6.9604,
18.0102

■ 89.5465, 104.5056,
166.6283

■ 2.3342, 3.4374,
10.7878

■ 115.3081,
133.4653, 206.8907

■ 0.8121, 1.3641,
5.8119

■ 145.5898,
167.3344, 253.1665

■ 0.0000, 0.1900,
2.6641

180.7570,

■ 0.0000, 0.0000,

206.4973, 305.8743

0.9253

221.1749,
251.3382, 365.4326

■ 0.0000, 0.0000,
0.0000

■ 24.3938, 30.0724,
57.3422

■ 24.3938, 30.0724,
57.3422

■ 22.5701, 27.8115,
57.0025

■ 26.6959, 32.6379,
57.7166

■ 21.1681, 25.8238,
56.6927

■ 29.5185, 35.5288,
58.1259

■ 20.1365, 24.1480,
56.4236

■ 32.9023, 38.7674,
58.5726

■ 36.8830, 42.3725,
59.0587

■ 41.4931, 46.3618,
59.5857

■ 46.7628, 50.7512,
60.1552

■ 52.7203, 55.5561,
60.7687

■ 59.3918, 60.7906,
61.4274

■ 66.8026, 66.4682,
62.1327

Harmonies

Analogous

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



21.8508, 30.0724, 45.2092



24.3938, 30.0724, 57.3422



28.2846, 30.0724, 62.7573

Triad

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



24.3938, 30.0724, 57.3422



37.7195, 30.0724, 33.6085



24.8632, 30.0724, 15.8949

Complementary

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



24.3938, 30.0724, 57.3422



27.8831, 20.3619, 6.4648

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.



28.8833, 30.0724, 14.2513



24.3938, 30.0724, 57.3422



36.5726, 30.0724, 22.8102

Square

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



24.3938, 30.0724, 57.3422



36.2209, 30.0724, 47.0753



33.2261, 30.0724, 16.4303



22.1020, 30.0724, 21.6632

Rectangle

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



24.3938, 30.0724, 57.3422



31.2197, 30.0724, 61.0126



33.2261, 30.0724, 16.4303



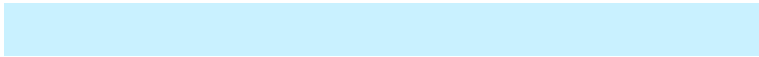
26.0990, 30.0724, 14.9170

Sweetspot

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



24.3948, 30.0735, 57.3429



73.6385, 82.4599, 106.6429



23.6770, 41.6188, 17.0849



15.2466, 17.2091, 22.7681



0.0000, 0.0000, 0.0000



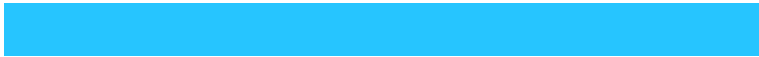
20.3446, 21.4041, 23.3091

Same Dimension

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



24.3948, 30.0735, 57.3429



38.8936, 47.7069, 101.7662



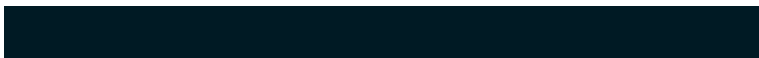
15.7167, 12.7172, 54.4502



10.6987, 11.5714, 13.5871



13.3161, 16.0261, 37.1359



0.6876, 0.8731, 1.7774

Inverse Universe

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



30.8851, 17.4356, 34.9963



52.0539, 26.7074, 55.4168



36.7551, 38.1059, 9.4222



10.9579, 10.7666, 12.7617



18.5207, 9.1578, 18.4836



0.9058, 0.4452, 1.0270

Previews

White Background



This preview shows how the XYZ color 24.3938, 30.0724, 57.3422 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 24.3938, 30.0724, 57.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

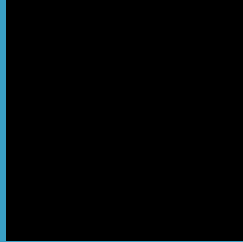
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.3938, 30.0724, 57.3422

Background



This preview shows how black text looks on a background with the XYZ color 24.3938, 30.0724, 57.3422.

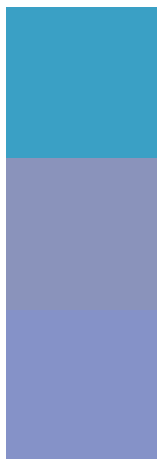


This preview shows how white text looks on a background with the XYZ color 24.3938, 30.0724,

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

24.3938, 30.0724, 57.3422

Protanopia

29.8846, 29.8586, 51.2019

Deuteranopia

30.3771, 29.7144, 58.7780



Tritanopia

22.2500, 30.2607, 46.2632

Trichromacy



Original Color

24.3938, 30.0724, 57.3422

Protanomaly

26.9389, 29.4693, 53.5585

Deuteranomaly

27.3193, 29.3209, 58.2525

Tritanomaly

23.0155, 30.3080, 49.9844

Monochromacy



Original Color

24.3938, 30.0724, 57.3422

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.8521, 25.1434, 35.5997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3938, 30.0724, 57.3422 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(58, 160, 197)` looks like.

```
.text, #text, p{  
    color:rgb(58, 160, 197)  
}
```

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(58, 160, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 160, 197) }
```

Border

The CSS property to change the border of an element to XYZ 24.3938, 30.0724, 57.3422 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(58, 160, 197) }
```


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

```
.border{ border-color:rgb(58, 160, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 160, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 160, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 160, 197);  
box-shadow:4px 4px 4px 4px rgb(58, 160,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3938, 30.0724, 57.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 160, 197) }
```

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

```
.background{ background-color: rgb(58, 160,  
197) }
```

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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