

Converting Colors

XYZ(23.7601, 30.3724, 38.2305)

Have a look what the booklet for
XYZ(23.7601, 30.3724, 38.2305)
contains.

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Color

**XYZ(23.7940, 30.4426,
38.3402)**

Conversions

Conversions Part 1

Format	Color
Hex	5EA1A1
RGB	94, 161, 161
RGB Percent	37%, 63%, 63%
CMY	0.6314, 0.3686, 0.3686
CMYK	0.42, 0.00, 0.00, 0.37
HSL	180°, 26%, 50%
HSV	180°, 42%, 63%
XYZ	23.7940, 30.4426, 38.3402
YIQ	140.9670, -39.9320, -14.2040

Conversions

Conversions Part 2

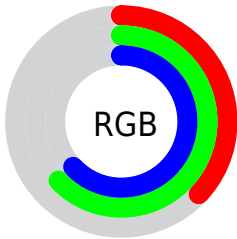
Format	Color
RYB	94, 128, 161
Decimal	6201761
CIELab	62.03, -21.23, -6.69
CIElCh	62, 22.260, 197.486
Yxy	30.4426, 0.2570, 0.3288
Android (android.graphics.Color)	4284391841 (0xFF5EA1A1)
YUV	140.9670, 9.8763, -41.1901
Hunter-Lab	55.1748, -19.5782, -2.5774

Details

The XYZ color **23.7940, 30.4426, 38.3402** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.7221, 16.3916, 12.6625**, and the grayscale version is **25.2790, 26.5955, 28.9625**.

A 20% lighter version of the original color is **49.1633, 60.3655, 74.0263**, and **9.1198, 12.4944, 16.6828** is the 20% darker color. If you saturate the color by 10%, you get **22.3124, 29.6795, 38.2714**, and if you desaturate by 10%, it is **25.6218, 31.3856, 38.4266**.

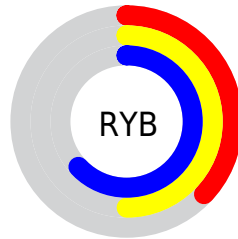
Distribution



Red (37%)

Green (63%)

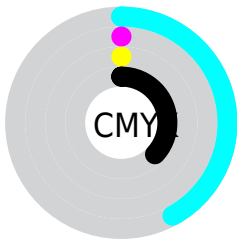
Blue (63%)



Red (37%)

Yellow (50%)

Blue (63%)

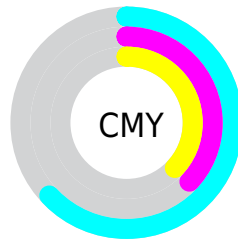


Cyan (42%)

Magenta (0%)

Yellow (0%)

Black (37%)



Cyan (63%)

Magenta (37%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7940, 30.4426, 38.3402 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 23.7940, 30.4426, 38.3402 by changing the saturation by 10% instead.

■ 23.7940, 30.4426,
38.3402

■ 23.7940, 30.4426,
38.3402

264.2372,
303.9621, 354.4189

■ 15.3048, 20.1748,
25.9430

■ 49.1510, 60.3614,
73.8385

■ 9.1213, 12.5222,
16.5556

■ 66.7494, 80.7812,
97.7766

■ 4.8781, 7.1003,
9.7596

■ 88.1150, 105.3538,
126.3987

■ 2.2099, 3.5249,
5.1363

■ 113.6130,
134.4635, 160.1235

■ 0.7480, 1.4115,
2.2673

143.6089,
168.4948, 199.3693

■ 0.0000, 0.2252,
0.7128

178.4680,

■ 0.0000, 0.0000,

207.8321, 244.5548

0.0000

218.5557,
252.8597, 296.0985

■ 23.7940, 30.4426,
38.3402

■ 23.7940, 30.4426,
38.3402

■ 22.3124, 29.6795,
38.2714

■ 25.6218, 31.3856,
38.4266

■ 21.1527, 29.0817,
38.2169

■ 27.8128, 32.5151,
38.5293

■ 20.2917, 28.6379,
38.1765

■ 30.3861, 33.8417,
38.6499

■ 19.7022, 28.3340,
38.1487

■ 33.3588, 35.3742,
38.7891

■ 19.3518, 28.1533,
38.1322

■ 36.7468, 37.1207,
38.9479

■ 19.1783, 28.0639,
38.1239

■ 40.5653, 39.0892,
39.1267

■ 44.8285, 41.2870,
39.3264

■ 49.5502, 43.7211,
39.5475

■ 54.7435, 46.3984,
39.7907

Harmonies

Analogous

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



23.6810, 30.4426, 29.7081



23.7940, 30.4426, 38.3402



25.2236, 30.4426, 46.8135

Triad

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



23.7940, 30.4426, 38.3402



33.3793, 30.4426, 45.5546



30.1975, 30.4426, 19.5396

Complementary

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



23.7940, 30.4426, 38.3402



20.7221, 16.3916, 12.6625

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.



32.9932, 30.4426, 22.4382



23.7940, 30.4426, 38.3402



34.9133, 30.4426, 36.8412

Square

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



23.7940, 30.4426, 38.3402



30.6955, 30.4426, 51.4460



34.7673, 30.4426, 28.4450



27.2427, 30.4426, 19.8004

Rectangle

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



23.7940, 30.4426, 38.3402



26.7903, 30.4426, 50.7870



34.7673, 30.4426, 28.4450



31.1908, 30.4426, 20.1527

Sweetspot

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



23.7949, 30.4438, 38.3409



54.1150, 60.4497, 69.2020



19.4976, 28.7382, 15.1098



11.7406, 13.1917, 15.1710



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.7949, 30.4438, 38.3409



40.1187, 53.2344, 68.5458



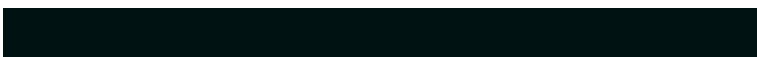
18.8499, 20.5536, 36.6932



7.2761, 8.0113, 9.0659



15.3166, 22.4130, 30.4474



0.3218, 0.4709, 0.6398

Inverse Universe

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



20.7221, 16.3916, 12.6625



33.8555, 24.5924, 16.2067



24.2294, 23.4063, 13.8313



7.0738, 7.0860, 7.3750



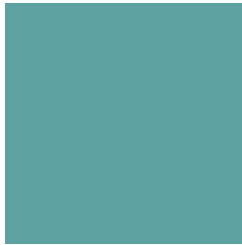
11.7388, 6.0516, 0.5495



0.2467, 0.1272, 0.0116

Previews

White Background



This preview shows how the XYZ color 23.7940, 30.4426, 38.3402 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 23.7940, 30.4426, 38.3402 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 23.7940, 30.4426, 38.3402

Background



This preview shows how black text looks on a background with the XYZ color 23.7940, 30.4426, 38.3402.

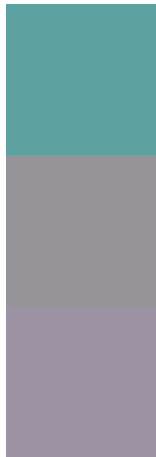


This preview shows how white text looks on a background with the XYZ color 23.7940, 30.4426,

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

23.7940, 30.4426, 38.3402

Protanopia

29.1022, 30.0590, 34.4051

Deuteranopia

30.7309, 30.0992, 39.3120



Tritanopia

24.7743, 30.3162, 43.5756

Trichromacy



Original Color

23.7940, 30.4426, 38.3402

Protanomaly

26.5979, 29.9286, 35.8274

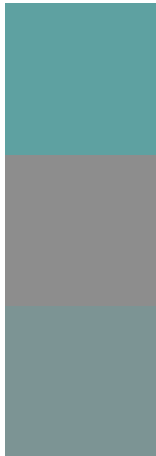
Deuteranomaly

27.5090, 29.8459, 38.9613

Tritanomaly

24.4626, 30.4556, 41.6350

Monochromacy



Original Color

23.7940, 30.4426, 38.3402

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.2474, 27.6030, 32.0669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7940, 30.4426, 38.3402 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(94, 161, 161)` looks like.

```
.text, #text, p{  
    color:rgb(94, 161, 161)  
}
```

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(94, 161, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 161, 161) }
```

Border

The CSS property to change the border of an element to XYZ 23.7940, 30.4426, 38.3402 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(94, 161, 161) }
```


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

```
.border{ border-color:rgb(94, 161, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 161, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 161, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 161, 161);  
box-shadow:4px 4px 4px 4px rgb(94, 161,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7940, 30.4426, 38.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 161, 161) }
```

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

```
.background{ background-color: rgb(94, 161,  
161) }
```

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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