

Converting Colors

XYZ(33.9541, 42.3038, 54.1489)

Have a look what the booklet for
XYZ(33.9541, 42.3038, 54.1489)
contains.

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Color

**XYZ(33.8973, 42.1803,
53.9320)**

Conversions

Conversions Part 1

Format	Color
Hex	76B9BC
RGB	118, 185, 188
RGB Percent	46%, 73%, 74%
CMY	0.5372, 0.2745, 0.2627
CMYK	0.37, 0.02, 0.00, 0.26
HSL	183°, 34%, 60%
HSV	183°, 37%, 74%
XYZ	33.8973, 42.1803, 53.9320
YIQ	165.3090, -40.8950, -13.2710

Conversions

Conversions Part 2

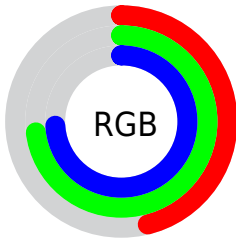
Format	Color
RYB	118, 152, 188
Decimal	7780796
CIELab	71.00, -20.40, -8.25
CIELCh	71, 22.006, 202.023
Yxy	42.1803, 0.2607, 0.3244
Android (android.graphics.Color)	4285970876 (0xFF76B9BC)
YUV	165.3090, 11.1867, -41.4900
Hunter-Lab	64.9464, -20.4921, -3.7725

Details

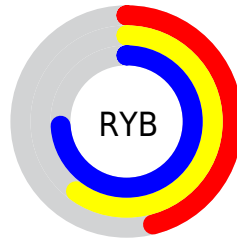
The XYZ color **33.8973, 42.1803, 53.9320** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.8471, 25.6747, 20.4705**, and the grayscale version is **35.8756, 37.7439, 41.1031**.

A 20% lighter version of the original color is **65.0180, 78.3265, 97.2797**, and **14.7388, 19.3418, 25.8782** is the 20% darker color. If you saturate the color by 10%, you get **31.4267, 40.6583, 53.7692**, and if you desaturate by 10%, it is **36.8802, 43.9698, 54.1209**.

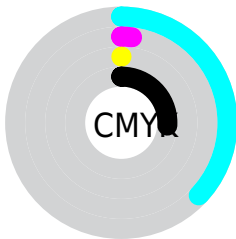
Distribution



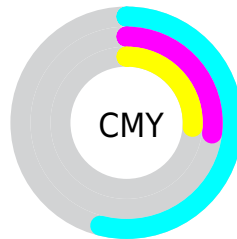
- Red (46%)
- Green (73%)
- Blue (74%)



- Red (46%)
- Yellow (60%)
- Blue (74%)



- Cyan (37%)
- Magenta (2%)
- Yellow (0%)
- Black (26%)



- Cyan (54%)
- Magenta (27%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8973, 42.1803, 53.9320 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 33.8973, 42.1803, 53.9320 by changing the saturation by 10% instead.

■ 33.8973, 42.1803,
53.9320

■ 33.8973, 42.1803,
53.9320

311.2679,
355.2298, 419.0179

■ 22.9772, 29.2425,
38.1545

■ 65.1193, 78.4724,
97.4298

■ 14.6973, 19.2643,
25.7999

■ 86.1519, 102.5955,
125.9872

■ 8.6921, 11.8614,
16.4495

■ 111.2861,
131.2159, 159.6416

■ 4.5964, 6.6494,
9.6850

140.8872,
164.7178, 198.8115

■ 2.0448, 3.2438,
5.0878

175.3206,
203.4858, 243.9156

■ 0.6589, 1.2603,
2.2392

214.9516,

■ 0.0000, 0.1102,

247.9042, 295.3723

0.6969

260.1455,
298.3574, 353.6003

■ 0.0000, 0.0000,
0.0000

■ 33.8973, 42.1803,
53.9320

■ 33.8973, 42.1803,
53.9320

■ 31.4267, 40.6583,
53.7692

■ 36.8802, 43.9698,
54.1209

■ 29.4343, 39.3832,
53.6281

■ 40.3994, 46.0363,
54.3343

■ 27.8876, 38.3393,
53.5081

■ 44.4822, 48.3947,
54.5743

■ 26.7487, 37.5071,
53.4075

■ 49.1527, 51.0574,
54.8421

■ 25.9732, 36.8636,
53.3241

■ 54.4337, 54.0364,
55.1388

■ 25.4983, 36.3764,
53.2551

■ 60.3467, 57.3425,
55.4653

■ 25.3882, 36.2529,
53.2371

■ 66.9123, 60.9865,
55.8226

■ 69.0452, 62.3469,
55.9728

■ 69.2219, 62.7002,
56.0316

Harmonies

Analogous

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



33.4994, 42.1803, 43.1787



33.8973, 42.1803, 53.9320



35.9028, 42.1803, 63.7754

Triad

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



33.8973, 42.1803, 53.9320



45.9163, 42.1803, 59.5229



41.0786, 42.1803, 28.6759

Complementary

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



33.8973, 42.1803, 53.9320



30.8471, 25.6747, 20.4705

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.



44.5932, 42.1803, 31.7645



33.8973, 42.1803, 53.9320



47.4953, 42.1803, 48.7899

Square

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



33.8973, 42.1803, 53.9320



42.7966, 42.1803, 67.3311



46.9969, 42.1803, 38.7564



37.5022, 42.1803, 29.6208

Rectangle

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



33.8973, 42.1803, 53.9320



37.9519, 42.1803, 67.9631



46.9969, 42.1803, 38.7564



42.3092, 42.1803, 29.2578

Sweetspot

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



33.8986, 42.1820, 53.9330



77.5705, 85.9550, 98.7288



28.8658, 41.1830, 24.3043



16.4647, 18.3593, 21.2185



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.



33.8986, 42.1820, 53.9330



57.5689, 74.0698, 97.4889



27.5623, 29.5095, 51.8209



9.7726, 10.7376, 12.2297



17.2997, 24.7112, 36.2508



0.6886, 0.9898, 1.4236

Inverse Universe

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



35.9755, 27.1521, 49.2455



61.9406, 42.9003, 87.5177



35.7869, 35.5542, 22.1171



9.9118, 9.6890, 11.9247



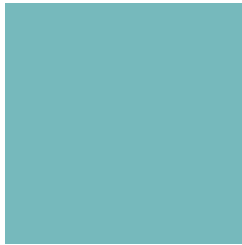
19.7329, 9.5243, 30.2165



0.7785, 0.3753, 1.2127

Previews

White Background



This preview shows how the XYZ color 33.8973, 42.1803, 53.9320 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 33.8973, 42.1803, 53.9320 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 33.8973, 42.1803, 53.9320

Background



This preview shows how black text looks on a background with the XYZ color 33.8973, 42.1803, 53.9320.

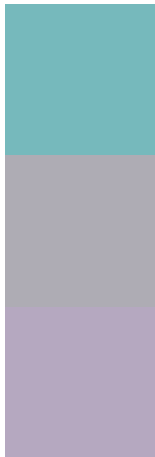


This preview shows how white text looks on a background with the XYZ color 33.8973, 42.1803,

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

33.8973, 42.1803, 53.9320

Protanopia

40.4463, 41.7990, 49.1163

Deuteranopia

42.5731, 41.6348, 55.6616



Tritanopia

35.0117, 42.0091, 59.6893

Trichromacy



Original Color

33.8973, 42.1803, 53.9320

Protanomaly

37.5958, 41.7332, 50.8735

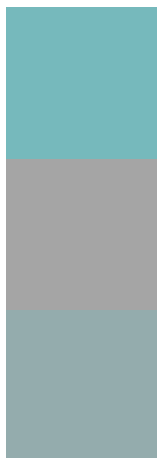
Deuteranomaly

38.6406, 41.3028, 55.2259

Tritanomaly

34.6238, 42.1691, 57.3535

Monochromacy



Original Color

33.8973, 42.1803, 53.9320

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.5081, 38.8181, 45.2090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8973, 42.1803, 53.9320 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(118, 185, 188)` looks like.

```
.text, #text, p{  
    color:rgb(118, 185, 188)  
}
```

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(118, 185, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 185, 188) }
```

Border

The CSS property to change the border of an element to XYZ 33.8973, 42.1803, 53.9320 is called "border". The border property can be set on classes, ids or directly on the HTML element.

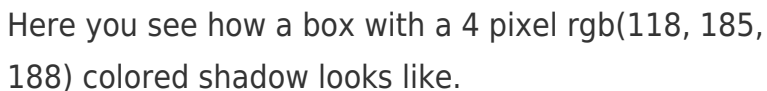
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 185, 188) }
```


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

```
.border{ border-color:rgb(118, 185, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 185, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 185, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 185, 188); box-shadow:4px 4px 4px 4px rgb(118, 185, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8973, 42.1803, 53.9320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 185, 188) }
```

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

```
.background{ background-color: rgb(118,  
185, 188) }
```

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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