

Converting Colors

XYZ(40.4799, 57.4425, 78.5197)

Have a look what the booklet for
XYZ(40.4799, 57.4425, 78.5197)
contains.

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Color

**XYZ(40.4338, 57.2984,
78.7406)**

Conversions

Conversions Part 1

Format	Color
Hex	36DCDF
RGB	54, 220, 223
RGB Percent	21%, 86%, 87%
CMY	0.7882, 0.1372, 0.1255
CMYK	0.76, 0.01, 0.00, 0.13
HSL	181°, 73%, 54%
HSV	181°, 76%, 87%
XYZ	40.4338, 57.2984, 78.7406
YIQ	170.7080, -99.8990, -34.2590

Conversions

Conversions Part 2

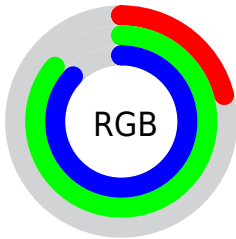
Format	Color
RYB	54, 138, 223
Decimal	3595487
CIELab	80.35, -39.25, -13.40
CIElCh	80, 41.471, 198.856
Yxy	57.2984, 0.2291, 0.3247
Android (android.graphics.Color)	4281785567 (0xFF36DCDF)
YUV	170.7080, 25.7800, -102.3529
Hunter-Lab	75.6957, -37.1195, -8.6880

Details

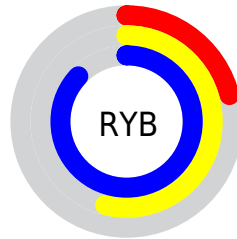
The XYZ color **40.4338, 57.2984, 78.7406** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.5617, 18.8820, 5.4200**, and the grayscale version is **38.4756, 40.4793, 44.0820**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **20.3433, 29.3781, 41.6441** is the 20% darker color. If you saturate the color by 10%, you get **39.3966, 56.6110, 78.6636**, and if you desaturate by 10%, it is **42.0229, 58.2732, 78.8461**.

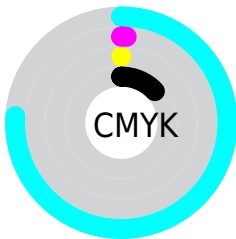
Distribution



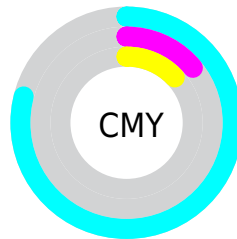
- Red (21%)
- Green (86%)
- Blue (87%)



- Red (21%)
- Yellow (54%)
- Blue (87%)



- Cyan (76%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)



- Cyan (79%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.4338, 57.2984, 78.7406 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 40.4338, 57.2984, 78.7406 by changing the saturation by 10% instead.

40.4338, 57.2984,
78.7406

40.4338, 57.2984,
78.7406

339.0517,
414.5665, 510.2728

28.0626, 41.2449,
58.1625

75.1038, 100.9005,
133.3890

18.5136, 28.5105,
41.5237

98.1333, 129.2178,
168.2963

11.4213, 18.7108,
28.4058

125.4464,
162.3918, 208.8172

6.4203, 11.4615,
18.3901

157.4083,
200.8069, 255.3700

3.1454, 6.3782,
11.0581

194.3844,
244.8476, 308.3735

1.2311, 3.0764,
5.9912

236.7402,

0.1307, 1.1717,

294.8981, 368.2461

2.7710

284.8408,
351.3430, 435.4063

■ 0.0000, 0.0384,
0.9790

■ 0.0000, 0.0000,
0.0000

■ 40.4338, 57.2984,
78.7406

■ 40.4338, 57.2984,
78.7406

■ 39.3966, 56.6110,
78.6636

■ 42.0229, 58.2732,
78.8461


■ 38.8242, 56.1623,
78.6072


■ 44.2251, 59.5632,
78.9790


■ 38.6627, 56.0143,
78.5871


■ 47.0992, 61.1999,
79.1434


■ 50.6955, 63.2093,
79.3417

 55.0599, 65.6150,
79.5760

 60.2342, 68.4386,
79.8483

 66.2572, 71.7001,
80.1604

 73.1654, 75.4183,
80.5140

 80.9930, 79.6109,
80.9107

Harmonies

Analogous

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



39.9699, 57.2984, 53.7859



40.4338, 57.2984, 78.7406



44.4155, 57.2984, 104.6051

Triad

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



40.4338, 57.2984, 78.7406



67.6938, 57.2984, 98.4581



57.6751, 57.2984, 26.8560

Complementary

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



40.4338, 57.2984, 78.7406



32.5617, 18.8820, 5.4200

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.



65.9159, 57.2984, 33.4018



40.4338, 57.2984, 78.7406



72.0877, 57.2984, 71.8621

Square

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



40.4338, 57.2984, 78.7406



59.9053, 57.2984, 117.8758



71.4052, 57.2984, 48.4727



49.3559, 57.2984, 27.7940

Rectangle

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



40.4338, 57.2984, 78.7406



48.7847, 57.2984, 116.9030



71.4052, 57.2984, 48.4727



60.5601, 57.2984, 28.1680

Sweetspot

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



40.4355, 57.3005, 78.7420



76.3351, 89.8606, 107.9293



28.6443, 53.8544, 12.7338



15.8293, 18.9547, 23.0743



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.



40.4355, 57.3005, 78.7420



52.8629, 76.3229, 106.5534



23.6021, 23.6337, 73.1308



14.0946, 15.5284, 17.6421



22.7422, 32.9540, 46.2105



1.5831, 2.2977, 3.2053

Inverse Universe

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



44.6703, 23.4952, 69.8931



58.9396, 28.8285, 93.6282



40.6707, 35.1000, 8.1230



14.2840, 13.9312, 17.2657



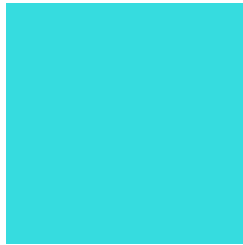
25.4194, 12.2348, 40.4699



1.7653, 0.8494, 2.8231

Previews

White Background



This preview shows how the XYZ color 40.4338, 57.2984, 78.7406 looks on a white background.

Color Contrast Check

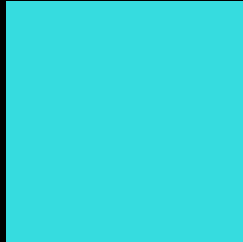
Large Text (above 18pt) WCAG AA × Fail

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 40.4338, 57.2984, 78.7406 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

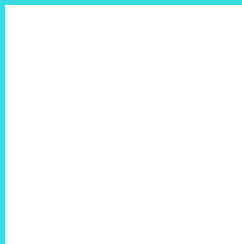
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4338, 57.2984, 78.7406

Background



This preview shows how black text looks on a background with the XYZ color 40.4338, 57.2984, 78.7406.

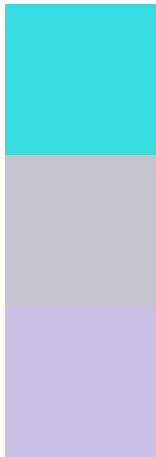


This preview shows how white text looks on a background with the XYZ color 40.4338, 57.2984,

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

40.4338, 57.2984, 78.7406

Protanopia

54.4138, 56.0397, 67.6233

Deuteranopia

57.5699, 56.3536, 81.9718



Tritanopia

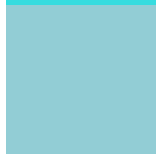
42.3261, 57.2889, 88.1839

Trichromacy



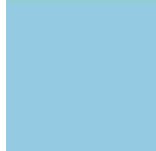
Original Color

40.4338, 57.2984, 78.7406



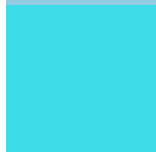
Protanomaly

45.6956, 54.5777, 71.0769



Deuteranomaly

47.4338, 54.5538, 80.7030



Tritanomaly

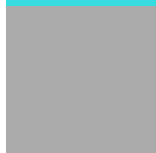
41.6188, 57.3932, 84.4858

Monochromacy



Original Color

40.4338, 57.2984, 78.7406



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.3939, 44.7021, 55.4254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4338, 57.2984, 78.7406 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(54, 220, 223)` looks like.

```
.text, #text, p{  
    color:rgb(54, 220, 223)  
}
```

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(54, 220, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 220, 223) }
```

Border

The CSS property to change the border of an element to XYZ 40.4338, 57.2984, 78.7406 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(54, 220, 223) }
```


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

```
.border{ border-color:rgb(54, 220, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 220, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 220, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 220, 223);  
box-shadow:4px 4px 4px 4px rgb(54, 220,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4338, 57.2984, 78.7406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 220, 223) }
```

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

```
.background{ background-color: rgb(54, 220,  
223) }
```

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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