

Converting Colors

XYZ(40.0404, 58.4711, 62.3292)

Have a look what the booklet for
XYZ(40.0404, 58.4711, 62.3292)
contains.

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Color

**XYZ(40.2369, 58.7374,
62.6428)**

Conversions

Conversions Part 1

Format	Color
Hex	54DFC6
RGB	84, 223, 198
RGB Percent	33%, 87%, 78%
CMY	0.6706, 0.1255, 0.2235
CMYK	0.62, 0.00, 0.11, 0.13
HSL	169°, 68%, 60%
HSV	169°, 62%, 87%
XYZ	40.2369, 58.7374, 62.6428
YIQ	178.5890, -74.8190, -37.2430

Conversions

Conversions Part 2

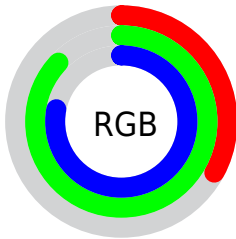
Format	Color
RYB	84, 160, 223
Decimal	5562310
CIELab	81.15, -43.30, 1.15
CIELCh	81, 43.320, 178.474
Yxy	58.7374, 0.2490, 0.3634
Android (android.graphics.Color)	4283752390 (0xFF54DFC6)
YUV	178.5890, 9.5696, -82.9546
Hunter-Lab	76.6403, -40.4064, 5.1869

Details

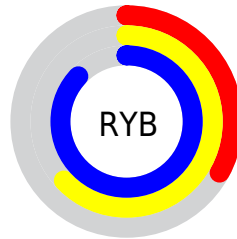
The XYZ color **40.2369, 58.7374, 62.6428** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.3641, 23.1344, 17.0191**, and the grayscale version is **42.6100, 44.8291, 48.8189**.

A 20% lighter version of the original color is **65.8426, 84.9430, 107.5331**, and **18.8528, 29.6510, 31.1151** is the 20% darker color. If you saturate the color by 10%, you get **38.0934, 57.6865, 60.1602**, and if you desaturate by 10%, it is **43.0312, 60.1252, 65.2225**.

Distribution



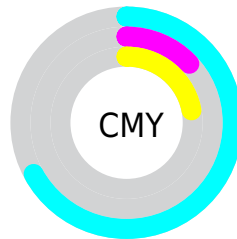
- Red (33%)
- Green (87%)
- Blue (78%)



- Red (33%)
- Yellow (63%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (11%)
- Black (13%)




- Cyan (67%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2369, 58.7374, 62.6428 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 40.2369, 58.7374, 62.6428 by changing the saturation by 10% instead.


 40.2369, 58.7374,
62.6428


 40.2369, 58.7374,
62.6428


338.2384,
419.9281, 452.3442

 27.9083, 42.4018,
45.1132


 74.8062, 102.9959,
110.2346


 18.3967, 29.4160,
31.2030


 97.7776, 131.6876,
141.1339

 11.3366, 19.3958,
20.4937


 125.0273,
165.2667, 177.3267

 6.3626, 11.9566,
12.5668

 156.9207,
204.1177, 219.2317

 3.1096, 6.7141,
7.0037

193.8232,
248.6249, 267.2675

 1.2120, 3.2840,
3.3859

236.1001,

 0.1158, 1.2817,

299.1728, 321.8524

1.2949

284.1167,
356.1457, 383.4051

■ 0.0000, 0.1270,
0.0576

■ 0.0000, 0.0000,
0.0000

■ 40.2369, 58.7374,
62.6428

■ 40.2369, 58.7374,
62.6428

■ 38.0934, 57.6865,
60.1602

■ 43.0312, 60.1252,
65.2225

■ 36.5328, 56.9334,
57.7670


■ 46.5258, 61.8711,
67.8980


■ 35.4812, 56.4412,
55.4607


■ 50.7712, 64.0026,
70.6737


■ 34.9246, 56.1917,
53.7458


■ 55.8117, 66.5426,
73.5520

 61.6882, 69.5122,
76.5352

 68.4388, 72.9308,
79.6258

 76.0992, 76.8170,
82.8256

 81.9244, 79.7556,
86.0069

 82.4947, 79.9837,
89.0099

Harmonies

Analogous

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



42.3228, 58.7374, 41.3589



40.2369, 58.7374, 62.6428



41.9403, 58.7374, 90.6506

Triad

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



40.2369, 58.7374, 62.6428



64.5031, 58.7374, 118.2437



65.3870, 58.7374, 30.2962

Complementary

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



40.2369, 58.7374, 62.6428



36.3641, 23.1344, 17.0191

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.



72.4861, 58.7374, 43.0940



40.2369, 58.7374, 62.6428



71.9384, 58.7374, 93.5691

Square

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



40.2369, 58.7374, 62.6428



55.3680, 58.7374, 127.4907



75.0019, 58.7374, 65.2855



56.2908, 58.7374, 26.0695

Rectangle

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



40.2369, 58.7374, 62.6428



45.1110, 58.7374, 108.7633



75.0019, 58.7374, 65.2855



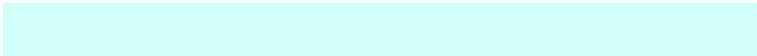
68.1210, 58.7374, 33.5336

Sweetspot

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



40.2386, 58.7397, 62.6442



78.0449, 91.3920, 100.9454



34.3561, 56.6998, 17.5221



16.2368, 19.3254, 21.3600



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.



40.2386, 58.7397, 62.6442



50.8559, 77.8007, 80.4636



33.0941, 39.4483, 75.6846



14.0052, 15.5278, 17.0628



20.5726, 33.0539, 31.8022



1.4540, 2.3023, 2.3517

Inverse Universe

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



36.3641, 23.1344, 17.0191



45.2711, 25.7834, 14.1833



39.7550, 31.7728, 12.4262



13.8074, 13.7406, 14.7560



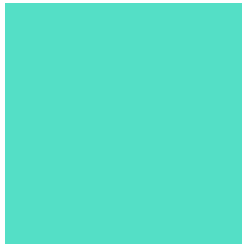
18.1492, 9.3267, 2.1853



1.2880, 0.6585, 0.3095

Previews

White Background



This preview shows how the XYZ color 40.2369, 58.7374, 62.6428 looks on a white background.

Color Contrast Check

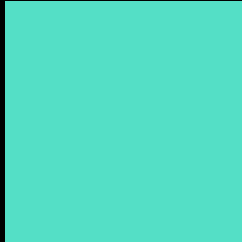
Large Text (above 18pt) WCAG AA × Fail

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 40.2369, 58.7374, 62.6428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

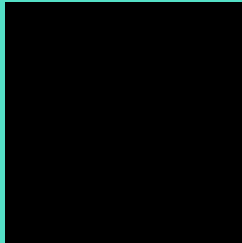
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

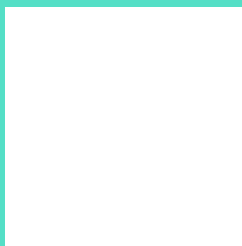
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.2369, 58.7374, 62.6428

Background



This preview shows how black text looks on a background with the XYZ color 40.2369, 58.7374, 62.6428.



This preview shows how white text looks on a background with the XYZ color 40.2369, 58.7374,

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

40.2369, 58.7374, 62.6428

Protanopia

54.9125, 57.6150, 54.1256

Deuteranopia

58.8061, 57.6949, 65.1636



Tritanopia

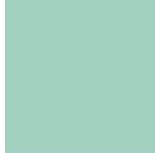
45.2124, 58.7936, 87.5626

Trichromacy



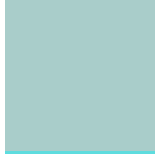
Original Color

40.2369, 58.7374, 62.6428



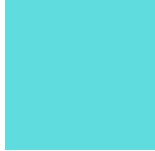
Protanomaly

46.7504, 56.5108, 57.1589



Deuteranomaly

48.8542, 56.3619, 64.1812



Tritanomaly

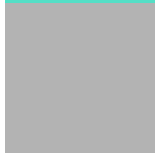
43.3941, 58.8400, 78.1774

Monochromacy



Original Color

40.2369, 58.7374, 62.6428



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

39.8796, 48.5047, 53.7148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2369, 58.7374, 62.6428 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(84, 223, 198)` looks like.

```
.text, #text, p{  
    color:rgb(84, 223, 198)  
}
```

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(84, 223, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 223, 198) }
```

Border

The CSS property to change the border of an element to XYZ 40.2369, 58.7374, 62.6428 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(84, 223, 198) }
```


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

```
.border{ border-color:rgb(84, 223, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 223, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 223, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 223, 198);  
box-shadow:4px 4px 4px 4px rgb(84, 223,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2369, 58.7374, 62.6428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 223, 198) }
```

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

```
.background{ background-color: rgb(84, 223,  
198) }
```

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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