

Converting Colors

XYZ(38.4333, 54.0339, 78.6598)

Have a look what the booklet for
XYZ(38.4333, 54.0339, 78.6598)
contains.

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Color

**XYZ(38.4560, 53.9672,
78.9109)**

Conversions

Conversions Part 1

Format	Color
Hex	2AD6E0
RGB	42, 214, 224
RGB Percent	16%, 84%, 88%
CMY	0.8352, 0.1608, 0.1216
CMYK	0.81, 0.04, 0.00, 0.12
HSL	183°, 75%, 52%
HSV	183°, 81%, 88%
XYZ	38.4560, 53.9672, 78.9109
YIQ	163.7120, -105.7220, -33.3540

Conversions

Conversions Part 2

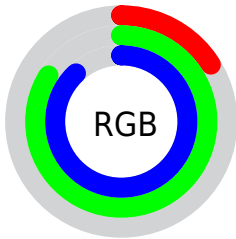
Format	Color
R _{YB}	42, 130, 224
Decimal	2807520
CIE Lab	78.44, -37.27, -16.82
CIE LCh	78, 40.888, 204.284
Yxy	53.9672, 0.2245, 0.3150
Android (android.graphics.Color)	4280997600 (0xFF2AD6E0)
YUV	163.7120, 29.7220, -106.7414
Hunter-Lab	73.4624, -35.1182, -12.2637

Details

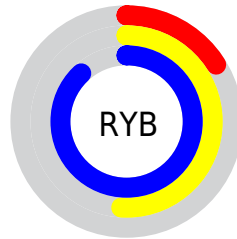
The XYZ color **38.4560, 53.9672, 78.9109** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.3879, 18.4723, 4.0507**, and the grayscale version is **35.0523, 36.8777, 40.1599**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **19.5596, 27.6608, 41.8443** is the 20% darker color. If you saturate the color by 10%, you get **37.4725, 53.0007, 78.7772**, and if you desaturate by 10%, it is **39.9564, 55.2060, 79.0719**.

Distribution



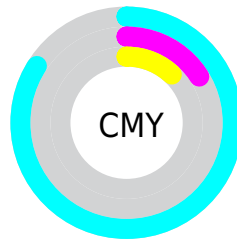
- Red (16%)
- Green (84%)
- Blue (88%)



- Red (16%)
- Yellow (51%)
- Blue (88%)



- Cyan (81%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)



- Cyan (84%)
- Magenta (16%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4560, 53.9672, 78.9109 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 38.4560, 53.9672, 78.9109 by changing the saturation by 10% instead.

38.4560, 53.9672,
78.9109

38.4560, 53.9672,
78.9109

330.8192,
401.9849, 510.8645

26.5156, 38.5754,
58.3017

72.1059, 96.0261,
133.6309

17.3445, 26.4296,
41.6349

94.5462, 123.4620,
168.5788

10.5772, 17.1453,
28.4921

121.2171,
155.6814, 209.1434

5.8485, 10.3381,
18.4547

152.4841,
193.0687, 255.7431

2.7930, 5.6237,
11.1041

188.7124,
236.0084, 308.7965

1.0452, 2.6177,
6.0218

230.2675,

0.0000, 0.9356,

284.8847, 368.7222

2.7894

277.5146,
340.0821, 435.9387

■ 0.0000, 0.0000,
0.9881

■ 0.0000, 0.0000,
0.0000

■ 38.4560, 53.9672,
78.9109

■ 38.4560, 53.9672,
78.9109

■ 37.4725, 53.0007,
78.7772

■ 39.9564, 55.2060,
79.0719

■ 36.9219, 52.3163,
78.6741

■ 42.0433, 56.7495,
79.2599

■ 44.7808, 58.6318,
79.4789

■ 48.2231, 60.8811,
79.7316

■ 52.4191, 63.5224,
80.0203

■ 57.4130, 66.5786,
80.3470

■ 63.2457, 70.0707,
80.7136

■ 69.9554, 74.0185,
81.1220

■ 77.5778, 78.4403,
81.5738

Harmonies

Analogous

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



37.4005, 53.9672, 54.4619



38.4560, 53.9672, 78.9109



42.7900, 53.9672, 102.5272

Triad

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



38.4560, 53.9672, 78.9109



64.8949, 53.9672, 88.5749



52.8490, 53.9672, 24.8039

Complementary

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



38.4560, 53.9672, 78.9109



32.3879, 18.4723, 4.0507

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.



60.8565, 53.9672, 29.6501



38.4560, 53.9672, 78.9109



68.2620, 53.9672, 63.2808

Square

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



38.4560, 53.9672, 78.9109



57.9171, 53.9672, 109.0502



66.7122, 53.9672, 42.3714



45.1965, 53.9672, 26.9428

Rectangle

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



38.4560, 53.9672, 78.9109



47.2205, 53.9672, 112.5021



66.7122, 53.9672, 42.3714



55.5957, 53.9672, 25.6200

Sweetspot

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



38.4577, 53.9692, 78.9122



74.9435, 88.0563, 107.6544



28.2118, 54.0448, 12.0903



15.5242, 18.5316, 23.0087



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.



38.4577, 53.9692, 78.9122



49.7226, 70.4231, 105.5801



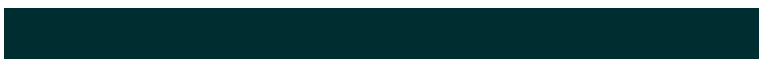
21.6068, 20.2675, 73.2953



14.0487, 15.4365, 17.6268



21.5193, 30.5081, 45.8028



1.5116, 2.1546, 3.1815

Inverse Universe

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



43.7075, 22.3600, 65.6326



57.2616, 27.8015, 85.8889



40.8484, 35.3933, 6.8709



14.2608, 13.9220, 17.1435



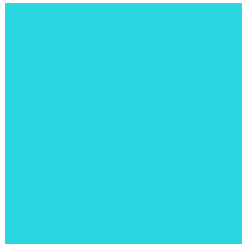
24.8021, 11.9879, 37.2193



1.7292, 0.8350, 2.6329

Previews

White Background



This preview shows how the XYZ color 38.4560, 53.9672, 78.9109 looks on a white background.

Color Contrast Check

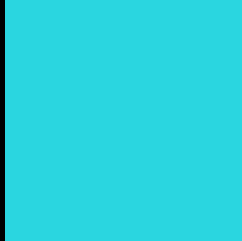
Large Text (above 18pt) WCAG AA × Fail

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 38.4560, 53.9672, 78.9109 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

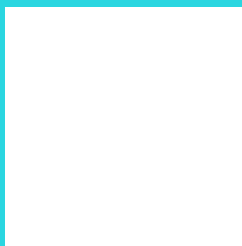
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4560, 53.9672, 78.9109

Background



This preview shows how black text looks on a background with the XYZ color 38.4560, 53.9672, 78.9109.



This preview shows how white text looks on a background with the XYZ color 38.4560, 53.9672,

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

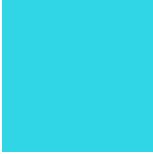
38.4560, 53.9672, 78.9109

Protanopia

51.6253, 52.9414, 67.8194

Deuteranopia

54.2585, 53.0171, 82.2365



Tritanopia

39.2961, 53.9300, 83.2013

Trichromacy



Original Color

38.4560, 53.9672, 78.9109



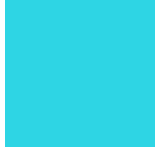
Protanomaly

42.8776, 51.0203, 71.2063



Deuteranomaly

44.4511, 50.9372, 80.8878



Tritanomaly

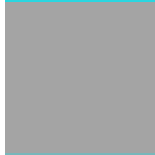
38.9246, 53.7708, 81.7260

Monochromacy



Original Color

38.4560, 53.9672, 78.9109



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.3366, 40.9941, 52.6100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4560, 53.9672, 78.9109 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(42, 214, 224)` looks like.

```
.text, #text, p{  
    color:rgb(42, 214, 224)  
}
```

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(42, 214, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 214, 224) }
```

Border

The CSS property to change the border of an element to XYZ 38.4560, 53.9672, 78.9109 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(42, 214, 224) }
```


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

```
.border{ border-color:rgb(42, 214, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 214, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 214, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 214, 224);  
box-shadow:4px 4px 4px 4px rgb(42, 214,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4560, 53.9672, 78.9109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 214, 224) }
```

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

```
.background{ background-color: rgb(42, 214,  
224) }
```

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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