

Converting Colors

XYZ(38.4316, 54.0319, 78.6585)

Have a look what the booklet for
XYZ(38.4316, 54.0319, 78.6585)
contains.

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Color

**XYZ(38.4156, 53.9464,
78.9090)**

Conversions

Conversions Part 1

Format	Color
Hex	29D6E0
RGB	41, 214, 224
RGB Percent	16%, 84%, 88%
CMY	0.8391, 0.1608, 0.1216
CMYK	0.82, 0.04, 0.00, 0.12
HSL	183°, 75%, 52%
HSV	183°, 82%, 88%
XYZ	38.4156, 53.9464, 78.9090
YIQ	163.4130, -106.3180, -33.5660

Conversions

Conversions Part 2

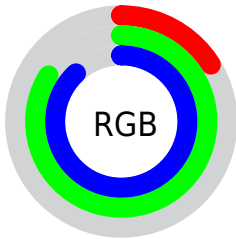
Format	Color
R _Y B	41, 130, 224
Decimal	2741984
CIE Lab	78.43, -37.35, -16.84
CIE LCh	78, 40.967, 204.265
Yxy	53.9464, 0.2243, 0.3150
Android (android.graphics.Color)	4280932064 (0xFF29D6E0)
YUV	163.4130, 29.8694, -107.3562
Hunter-Lab	73.4482, -35.1736, -12.2844

Details

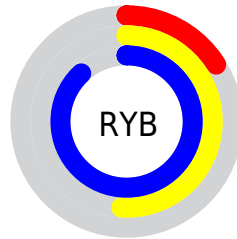
The XYZ color **38.4156, 53.9464, 78.9090** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.3260, 18.3769, 3.9428**, and the grayscale version is **34.9103, 36.7284, 39.9972**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **19.5596, 27.6608, 41.8443** is the 20% darker color. If you saturate the color by 10%, you get **37.4546, 52.9940, 78.7768**, and if you desaturate by 10%, it is **39.8898, 55.1691, 79.0683**.

Distribution



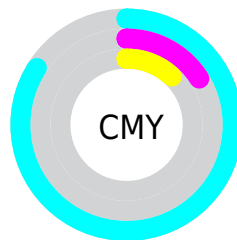
- Red (16%)
- Green (84%)
- Blue (88%)



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



- Cyan (82%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4156, 53.9464, 78.9090 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 38.4156, 53.9464, 78.9090 by changing the saturation by 10% instead.


 38.4156, 53.9464,
78.9090


 38.4156, 53.9464,
78.9090


330.6495,
401.9056, 510.8579


 26.4841, 38.5588,
58.3001


 72.0445, 95.9955,
133.6282


 17.3207, 26.4167,
41.6337


 94.4726, 123.4259,
168.5757


 10.5601, 17.1356,
28.4911


 121.1303,
155.6393, 209.1397

 5.8370, 10.3312,
18.4540

 152.3828,
193.0201, 255.7389

 2.7859, 5.6191,
11.1036

 188.5957,
235.9527, 308.7918

 1.0416, 2.6149,
6.0215

230.1342,

 0.0000, 0.9342,

284.8216, 368.7169

2.7892

277.3637,
340.0111, 435.9328

■ 0.0000, 0.0000,
0.9880

■ 0.0000, 0.0000,
0.0000

■ 38.4156, 53.9464,
78.9090

■ 38.4156, 53.9464,
78.9090

■ 37.4546, 52.9940,
78.7768

■ 39.8898, 55.1691,
79.0683

■ 36.9387, 52.3499,
78.6797

■ 41.9474, 56.6949,
79.2544

■ 44.6529, 58.5582,
79.4714

■ 48.0610, 60.7871,
79.7220

■ 52.2207, 63.4070,
80.0085

■ 57.1763, 66.4407,
80.3329

■ 62.9690, 69.9094,
80.6971

■ 69.6369, 73.8329,
81.1029

■ 77.2160, 78.2295,
81.5521

Harmonies

Analogous

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



37.3611, 53.9464, 54.4180



38.4156, 53.9464, 78.9090



42.7534, 53.9464, 102.5814

Triad

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



38.4156, 53.9464, 78.9090



64.8963, 53.9464, 88.6265



52.8372, 53.9464, 24.7445

Complementary

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



38.4156, 53.9464, 78.9090



32.3260, 18.3769, 3.9428

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.



60.8585, 53.9464, 29.5977



38.4156, 53.9464, 78.9090



68.2732, 53.9464, 63.2817

Square

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



38.4156, 53.9464, 78.9090



57.9036, 53.9464, 109.1423



66.7234, 53.9464, 42.3363



45.1716, 53.9464, 26.8797

Rectangle

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



38.4156, 53.9464, 78.9090



47.1894, 53.9464, 112.5869



66.7234, 53.9464, 42.3363



55.5887, 53.9464, 25.5624

Sweetspot

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



38.4173, 53.9484, 78.9103



74.2576, 87.6464, 107.6114



28.1506, 54.0156, 11.9790



15.3929, 18.4529, 23.0004



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.



38.4173, 53.9484, 78.9103



49.6714, 70.3681, 105.5722



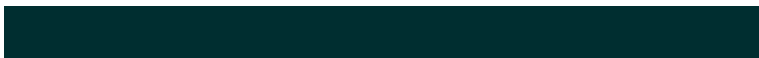
21.4977, 20.1093, 73.2705



14.0491, 15.4373, 17.6269



21.5289, 30.5274, 45.8060



1.5121, 2.1557, 3.1816

Inverse Universe

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



43.6725, 22.2899, 65.6210



57.2242, 27.7422, 85.8285



40.7638, 35.2524, 6.7554



14.2610, 13.9220, 17.1445



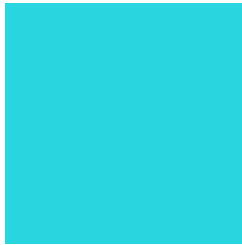
24.8070, 11.9898, 37.2450



1.7295, 0.8351, 2.6345

Previews

White Background



This preview shows how the XYZ color 38.4156, 53.9464, 78.9090 looks on a white background.

Color Contrast Check

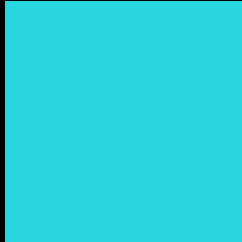
Large Text (above 18pt) WCAG AA × Fail

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 38.4156, 53.9464, 78.9090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

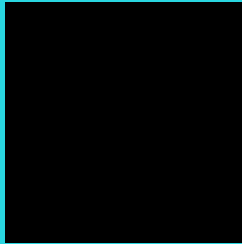
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

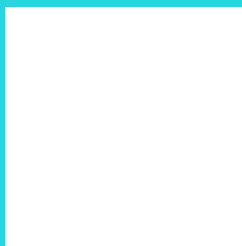
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4156, 53.9464, 78.9090

Background



This preview shows how black text looks on a background with the XYZ color 38.4156, 53.9464, 78.9090.



This preview shows how white text looks on a background with the XYZ color 38.4156, 53.9464,

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

38.4156, 53.9464, 78.9090

Protanopia

51.6253, 52.9414, 67.8194

Deuteranopia

54.2585, 53.0171, 82.2365



Tritanopia

39.2961, 53.9300, 83.2013

Trichromacy



Original Color

38.4156, 53.9464, 78.9090



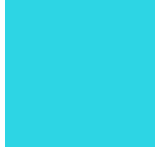
Protanomaly

42.7144, 50.9361, 71.1987



Deuteranomaly

44.4511, 50.9372, 80.8878



Tritanomaly

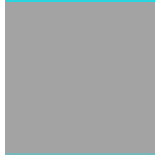
38.8800, 53.7478, 81.7240

Monochromacy



Original Color

38.4156, 53.9464, 78.9090



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

33.0927, 40.8806, 52.0455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4156, 53.9464, 78.9090 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(41, 214, 224)` looks like.

```
.text, #text, p{  
    color:rgb(41, 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(41, 214, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 214, 224) }
```

Border

The CSS property to change the border of an element to XYZ 38.4156, 53.9464, 78.9090 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(41, 214, 224) }
```


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

```
.border{ border-color:rgb(41, 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(41, 214, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 214, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 214, 224);  
box-shadow:4px 4px 4px 4px rgb(41, 214,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4156, 53.9464, 78.9090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 214, 224) }
```

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

```
.background{ background-color: rgb(41, 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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