

Converting Colors

XYZ(33.9848, 56.1279, 47.8350)

Have a look what the booklet for
XYZ(33.9848, 56.1279, 47.8350)
contains.

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Color

**XYZ(34.1020, 56.2899,
48.0974)**

Conversions

Conversions Part 1

Format	Color
Hex	00E0AC
RGB	0, 224, 172
RGB Percent	0%, 88%, 67%
CMY	0.9999, 0.1216, 0.3255
CMYK	1.00, 0.00, 0.23, 0.12
HSL	166°, 100%, 44%
HSV	166°, 100%, 88%
XYZ	34.1020, 56.2899, 48.0974
YIQ	151.0960, -116.8120, -63.6600

Conversions

Conversions Part 2

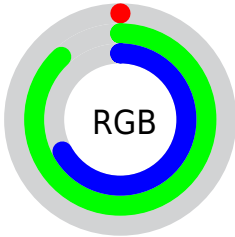
Format	Color
RYB	0, 127, 224
Decimal	57516
CIELab	79.78, -57.55, 12.82
CIELCh	80, 58.958, 167.443
Yxy	56.2899, 0.2462, 0.4065
Android (android.graphics.Color)	4278247596 (0xFF00E0AC)
YUV	151.0960, 10.3057, -132.5112
Hunter-Lab	75.0266, -50.1626, 14.5095

Details

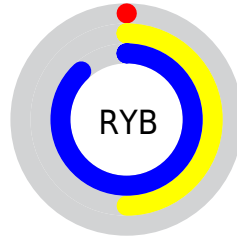
The XYZ color **34.1020, 56.2899, 48.0974** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **31.3623, 16.0966, 4.7059**, and the grayscale version is **29.4534, 30.9873, 33.7452**.

A 20% lighter version of the original color is **55.8095, 80.2542, 85.2222**, and **17.2089, 28.9935, 22.4586** is the 20% darker color. If you saturate the color by 10%, you get **34.1027, 56.2917, 48.0958**, and if you desaturate by 10%, it is **34.9530, 56.6712, 50.7974**.

Distribution



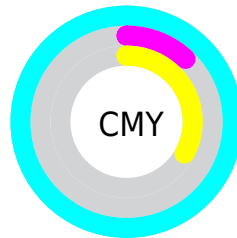
- Red (0%)
- Green (88%)
- Blue (67%)



- Red (0%)
- Yellow (50%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1020, 56.2899, 48.0974 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 34.1020, 56.2899, 48.0974 by changing the saturation by 10% instead.

 34.1020, 56.2899,
48.0974


 34.1020, 56.2899,
48.0974


312.1645,
410.7831, 395.6979


 23.1352, 40.4354,
33.5435


 65.4355, 99.4283,
88.7165


 14.8146, 27.8782,
22.2686


 86.5329, 127.4810,
115.6187


 8.7749, 18.2339,
13.8542

 111.7380,
160.3686, 147.4741

 4.6506, 11.1180,
7.8817

 141.4159,
198.4754, 184.7013

 2.0764, 6.1463,
3.9327

 175.9322,
242.1859, 227.7187

 0.6763, 2.9342,
1.5885

215.6522,

 0.0000, 1.0975,

291.8844, 276.9449

0.2826

260.9412,
347.9553, 332.7985

■ 0.0000, 0.0000,
0.0000

■ 34.1020, 56.2899,
48.0974

■ 34.1020, 56.2899,
48.0974

■ 34.1027, 56.2917,
48.0958

■ 34.9530, 56.6712,
50.7974

■ 36.2164, 57.2613,
53.6186

■ 38.0214, 58.1284,
56.5695

■ 40.4407, 59.3098,
59.6545

■ 43.5358, 60.8373,
62.8777

■ 47.3604, 62.7384,
66.2425

■ 51.9629, 65.0382,
69.7524

■ 57.3872, 67.7592,
73.4103

■ 63.6742, 70.9224,
77.2192

Harmonies

Analogous

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



38.3312, 56.2899, 26.7497



34.1020, 56.2899, 48.0974



34.4780, 56.2899, 83.1499

Triad

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



34.1020, 56.2899, 48.0974



60.6714, 56.2899, 147.6717



70.5499, 56.2899, 24.5363

Complementary

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



34.1020, 56.2899, 48.0974



31.3623, 16.0966, 4.7059

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.



78.4844, 56.2899, 43.6425



34.1020, 56.2899, 48.0974



72.2249, 56.2899, 117.2717

Square

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



34.1020, 56.2899, 48.0974



48.6717, 56.2899, 150.2908



79.1393, 56.2899, 76.6984



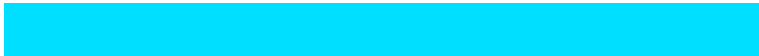
58.6415, 56.2899, 16.9495

Rectangle

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



34.1020, 56.2899, 48.0974



37.2884, 56.2899, 110.4923



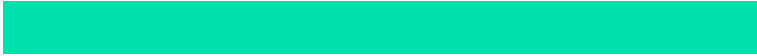
79.1393, 56.2899, 76.6984



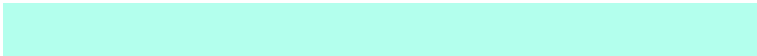
73.8424, 56.2899, 29.4149

Sweetspot

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



34.1035, 56.2921, 48.0987



69.5560, 87.1726, 93.4638



28.0877, 54.0510, 8.9532



14.3008, 18.3648, 19.5724



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.



34.1035, 56.2921, 48.0987



45.7006, 75.4962, 64.2665



26.7802, 32.0320, 75.2950



13.9733, 15.5151, 16.8947



19.8957, 32.7831, 28.2375



1.4125, 2.2857, 2.1336

Inverse Universe

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



31.3623, 16.0966, 4.7059



42.0347, 21.5779, 6.1149



32.3447, 19.0538, 1.9737



13.8370, 13.7524, 14.9116



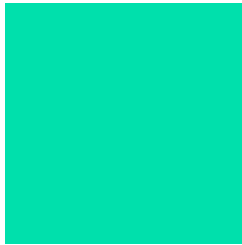
18.2908, 9.3833, 2.9313



1.3021, 0.6641, 0.3838

Previews

White Background



This preview shows how the XYZ color 34.1020, 56.2899, 48.0974 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 34.1020, 56.2899, 48.0974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

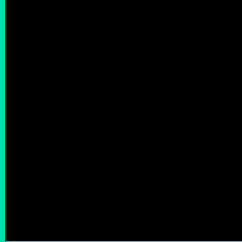
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

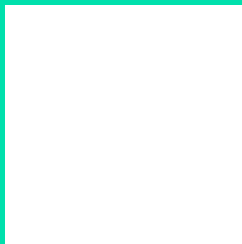
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1020, 56.2899, 48.0974

Background



This preview shows how black text looks on a background with the XYZ color 34.1020, 56.2899, 48.0974.



This preview shows how white text looks on a background with the XYZ color 34.1020, 56.2899,

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

34.1020, 56.2899, 48.0974

Protanopia

51.9239, 55.3584, 40.2963

Deuteranopia

56.2546, 55.0626, 50.8432



Tritanopia

41.7896, 56.2970, 85.7547

Trichromacy



Original Color

34.1020, 56.2899, 48.0974



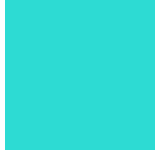
Protanomaly

38.1979, 51.6925, 42.6147



Deuteranomaly

40.0408, 51.0781, 49.3437



Tritanomaly

38.1716, 55.9241, 70.4106

Monochromacy



Original Color

34.1020, 56.2899, 48.0974



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.0023, 36.8308, 38.4868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1020, 56.2899, 48.0974 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(0, 224, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 172)  
}
```

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(0, 224, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 172) }
```

Border

The CSS property to change the border of an element to XYZ 34.1020, 56.2899, 48.0974 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(0, 224, 172) }
```


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

```
.border{ border-color:rgb(0, 224, 172) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1020, 56.2899, 48.0974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 172) }
```

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

```
.background{ background-color: rgb(0, 224,  
172) }
```

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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