

Converting Colors

XYZ(34.7913, 56.6446, 48.2434)

Have a look what the booklet for
XYZ(34.7913, 56.6446, 48.2434)
contains.

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Color

**XYZ(34.7617, 56.6299,
48.1283)**

Conversions

Conversions Part 1

Format	Color
Hex	22E0AC
RGB	34, 224, 172
RGB Percent	13%, 88%, 67%
CMY	0.8666, 0.1216, 0.3255
CMYK	0.85, 0.00, 0.23, 0.12
HSL	164°, 75%, 51%
HSV	164°, 85%, 88%
XYZ	34.7617, 56.6299, 48.1283
YIQ	161.2620, -96.5480, -56.4520

Conversions

Conversions Part 2

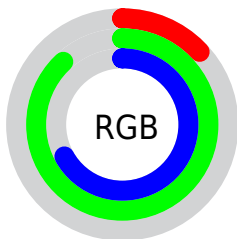
Format	Color
RYB	34, 144, 224
Decimal	2285740
CIELab	79.97, -56.10, 13.12
CIELCh	80, 57.614, 166.840
Yxy	56.6299, 0.2492, 0.4059
Android (android.graphics.Color)	4280475820 (0xFF22E0AC)
YUV	161.2620, 5.2938, -111.6088
Hunter-Lab	75.2528, -49.2376, 14.7578

Details

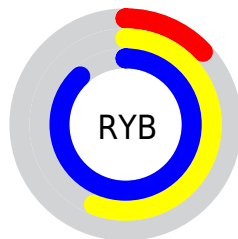
The XYZ color **34.7617, 56.6299, 48.1283** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **32.9941, 17.6646, 10.4774**, and the grayscale version is **34.0087, 35.7798, 38.9642**.

A 20% lighter version of the original color is **56.8276, 80.7791, 85.2698**, and **17.2089, 28.9935, 22.4586** is the 20% darker color. If you saturate the color by 10%, you get **33.6739, 56.1370, 45.0751**, and if you desaturate by 10%, it is **36.3598, 57.3856, 51.3497**.

Distribution



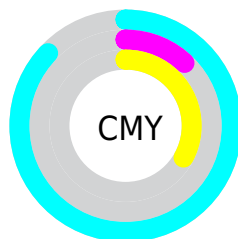
- Red (13%)
- Green (88%)
- Blue (67%)



- Red (13%)
- Yellow (56%)
- Blue (88%)



- Cyan (85%)
- Magenta (0%)
- Yellow (23%)
- Black (12%)





- Cyan (87%)
- Magenta (12%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7617, 56.6299, 48.1283 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 34.7617, 56.6299, 48.1283 by changing the saturation by 10% instead.


 34.7617, 56.6299,
48.1283


 34.7617, 56.6299,
48.1283


315.0417,
412.0610, 395.8238


 23.6450, 40.7082,
33.5678


 66.4529, 99.9250,
88.7629


 15.1938, 28.0911,
22.2871


 87.7581, 128.0671,
115.6741

 9.0427, 18.3944,
13.8677


 113.1902,
161.0515, 147.5393

 4.8264, 11.2335,
7.8910

 143.1146,
199.2625, 184.7770

 2.1795, 6.2241,
3.9385

 177.8966,
243.0846, 227.8058

 0.7319, 2.9818,
1.5917

217.9015,

 0.0000, 1.1223,

292.9021, 277.0441

0.2849

263.4948,
349.0995, 332.9106

■ 0.0000, 0.0000,
0.0000

■ 34.7617, 56.6299,
48.1283

■ 34.7617, 56.6299,
48.1283

■ 33.6739, 56.1370,
45.0751

■ 36.3598, 57.3856,
51.3497

■ 33.2400, 55.9466,
43.5532

■ 38.5449, 58.4392,
54.7411

■ 41.3847, 59.8272,
58.3085

■ 44.9367, 61.5790,
62.0567

■ 49.2516, 63.7208,
65.9895

■ 54.3756, 66.2764,
70.1110

■ 60.3510, 69.2676,
74.4248

■ 67.2171, 72.7145,
78.9344

■ 75.0109, 76.6362,
83.6432

Harmonies

Analogous

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



39.0303, 56.6299, 27.2630



34.7617, 56.6299, 48.1283



35.0418, 56.6299, 82.2651

Triad

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



34.7617, 56.6299, 48.1283



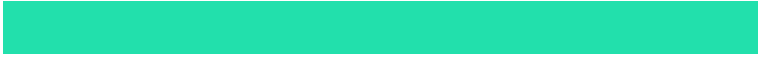
60.6067, 56.6299, 146.1330



70.7208, 56.6299, 25.6004

Complementary

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



34.7617, 56.6299, 48.1283



32.9941, 17.6646, 10.4774

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.



78.3470, 56.6299, 44.8199



34.7617, 56.6299, 48.1283



71.9531, 56.6299, 117.0445

Square

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



34.7617, 56.6299, 48.1283



48.8655, 56.6299, 148.0444



78.8281, 56.6299, 77.5172



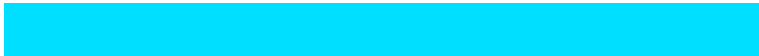
59.1092, 56.6299, 17.8041

Rectangle

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



34.7617, 56.6299, 48.1283



37.7580, 56.6299, 108.9020



78.8281, 56.6299, 77.5172



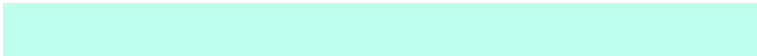
73.9044, 56.6299, 30.5433

Sweetspot

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



34.7632, 56.6321, 48.1296



72.6756, 88.7755, 93.8488



30.9551, 55.4958, 10.5945



15.0107, 18.7295, 19.6632



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.



34.7632, 56.6321, 48.1296



44.5387, 75.0315, 58.1480



31.0153, 39.5227, 76.5175



13.9481, 15.5050, 16.7621



19.3981, 32.5841, 25.6173



1.3816, 2.2734, 1.9709

Inverse Universe

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



32.9941, 17.6646, 10.4774



42.3390, 21.6996, 7.7173



33.5585, 21.0195, 3.8026



13.8606, 13.7619, 15.0360



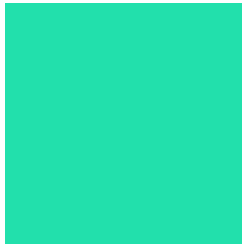
18.4300, 9.4390, 3.6640



1.3146, 0.6691, 0.4495

Previews

White Background



This preview shows how the XYZ color 34.7617, 56.6299, 48.1283 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 34.7617, 56.6299, 48.1283 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

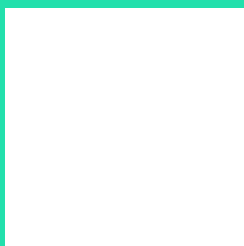
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7617, 56.6299, 48.1283

Background



This preview shows how black text looks on a background with the XYZ color 34.7617, 56.6299, 48.1283.



This preview shows how white text looks on a background with the XYZ color 34.7617, 56.6299,

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

34.7617, 56.6299, 48.1283

Protanopia

51.9239, 55.3584, 40.2963

Deuteranopia

56.7759, 55.6518, 50.9295



Tritanopia

42.2443, 56.5314, 85.7759

Trichromacy



Original Color

34.7617, 56.6299, 48.1283



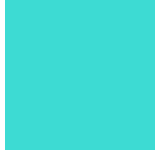
Protanomaly

40.3592, 52.8067, 42.7159



Deuteranomaly

42.3828, 52.2854, 49.4533



Tritanomaly

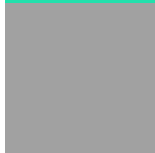
39.0139, 56.3583, 70.4500

Monochromacy



Original Color

34.7617, 56.6299, 48.1283



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.0023, 40.6424, 41.8081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7617, 56.6299, 48.1283 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(34, 224, 172)` looks like.

```
.text, #text, p{  
    color:rgb(34, 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(34, 224, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 224, 172) }
```

Border

The CSS property to change the border of an element to XYZ 34.7617, 56.6299, 48.1283 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(34, 224, 172) }
```


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

```
.border{ border-color:rgb(34, 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(34, 224, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 224, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 224, 172);  
box-shadow:4px 4px 4px 4px rgb(34, 224,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7617, 56.6299, 48.1283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 224, 172) }
```

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

```
.background{ background-color: rgb(34, 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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