

Converting Colors

XYZ(28.5626, 47.5629, 36.9751)

Have a look what the booklet for
XYZ(28.5626, 47.5629, 36.9751)
contains.

XYZ(28.5678, 47.5657, 36.9536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.5678, 47.5657,
36.9536)**

Conversions

Conversions Part 1

Format	Color
Hex	1AD097
RGB	26, 208, 151
RGB Percent	10%, 82%, 59%
CMY	0.8980, 0.1843, 0.4078
CMYK	0.87, 0.00, 0.27, 0.18
HSL	161°, 78%, 46%
HSV	161°, 87%, 82%
XYZ	28.5678, 47.5657, 36.9536
YIQ	147.0840, -90.1750, -56.3110

Conversions

Conversions Part 2

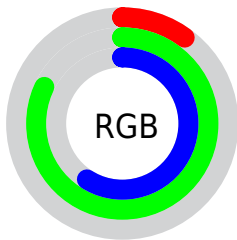
Format	Color
RYB	26, 134, 208
Decimal	1757335
CIELab	74.55, -55.38, 16.61
CIELCh	75, 57.815, 163.299
Yxy	47.5657, 0.2526, 0.4206
Android (android.graphics.Color)	4279947415 (0xFF1AD097)
YUV	147.0840, 1.9306, -106.1907
Hunter-Lab	68.9679, -46.7557, 16.5094

Details

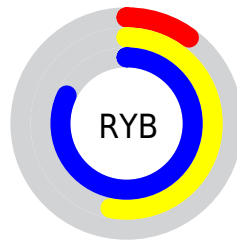
The XYZ color **28.5678, 47.5657, 36.9536** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.9449, 14.7745, 9.5653**, and the grayscale version is **27.7890, 29.2362, 31.8382**.

A 20% lighter version of the original color is **53.0861, 79.1790, 70.2428**, and **13.5285, 23.3766, 15.8557** is the 20% darker color. If you saturate the color by 10%, you get **27.6933, 47.1755, 34.2274**, and if you desaturate by 10%, it is **29.8504, 48.1653, 39.8537**.

Distribution



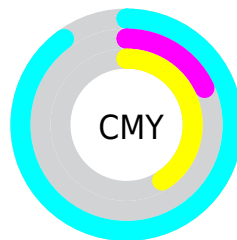
- Red (10%)
- Green (82%)
- Blue (59%)



- Red (10%)
- Yellow (53%)
- Blue (82%)



- Cyan (87%)
- Magenta (0%)
- Yellow (27%)
- Black (18%)





- Cyan (90%)
- Magenta (18%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5678, 47.5657, 36.9536 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 28.5678, 47.5657, 36.9536 by changing the saturation by 10% instead.

 28.5678, 47.5657,
36.9536


 28.5678, 47.5657,
36.9536


287.2013,
377.0681, 348.2722


 18.8967, 33.4831,
24.8761


 56.7920, 86.5574,
71.6869


 11.6993, 22.4968,
15.7666


 76.0759, 112.2353,
95.1798


 6.6100, 14.2224,
9.2066


 99.2948, 142.5471,
123.3149

 3.2635, 8.2755,
4.7775

 126.8140,
177.8772, 156.5107

 1.2946, 4.2717,
2.0609

 158.9989,
218.6099, 195.1858

 0.1792, 1.8267,
0.5923

196.2148,

 0.0000, 0.5037,

265.1297, 239.7588

0.0000

238.8272,
317.8210, 290.6481

■ 0.0000, 0.0000,
0.0000

■ 28.5678, 47.5657,
36.9536

■ 28.5678, 47.5657,
36.9536

■ 27.6933, 47.1755,
34.2274

■ 29.8504, 48.1653,
39.8537

■ 27.5036, 47.0921,
33.5690

■ 31.6174, 49.0099,
42.9304

■ 33.9280, 50.1313,
46.1900

■ 36.8316, 51.5549,
49.6370

■ 40.3721, 53.3033,
53.2756

■ 44.5890, 55.3966,
57.1100

■ 49.5185, 57.8537,
61.1439

■ 55.1941, 60.6917,
65.3811

■ 61.6473, 63.9267,
69.8251

Harmonies

Analogous

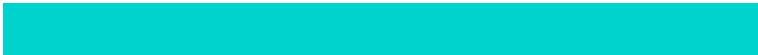
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.7838, 47.5657, 20.1881



28.5678, 47.5657, 36.9536



28.3412, 47.5657, 66.1866

Triad

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



28.5678, 47.5657, 36.9536



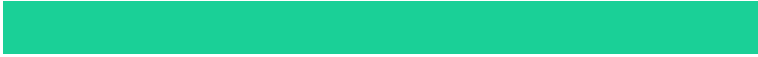
49.9907, 47.5657, 130.3894



61.4641, 47.5657, 21.5042

Complementary

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



28.5678, 47.5657, 36.9536



27.9449, 14.7745, 9.5653

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.



67.7153, 47.5657, 39.6505



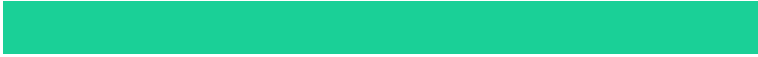
28.5678, 47.5657, 36.9536



60.4352, 47.5657, 105.9651

Square

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



28.5678, 47.5657, 36.9536



39.6787, 47.5657, 128.7605



67.3121, 47.5657, 70.1475



51.2324, 47.5657, 13.9168

Rectangle

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



28.5678, 47.5657, 36.9536



30.4111, 47.5657, 90.2376



67.3121, 47.5657, 70.1475



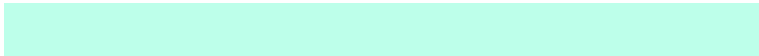
64.1664, 47.5657, 26.1891

Sweetspot

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



28.5691, 47.5676, 36.9547



71.5569, 88.2545, 91.2818



26.3675, 47.0564, 8.6711



14.7777, 18.6223, 19.0716



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.



28.5691, 47.5676, 36.9547



43.5108, 74.6203, 52.7351



27.0716, 35.2933, 65.0621



11.9942, 13.3414, 14.3258



17.1865, 29.3675, 21.1599



0.9959, 1.6560, 1.3671

Inverse Universe

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



27.9449, 14.7745, 9.5653



42.6831, 21.8372, 9.5293



27.7834, 16.6519, 2.7278



11.9591, 11.8684, 13.0603



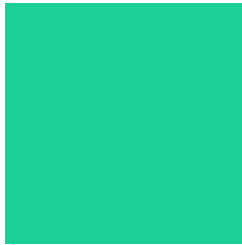
16.8484, 8.6122, 4.1080



0.9777, 0.4958, 0.4175

Previews

White Background



This preview shows how the XYZ color 28.5678, 47.5657, 36.9536 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 28.5678, 47.5657, 36.9536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

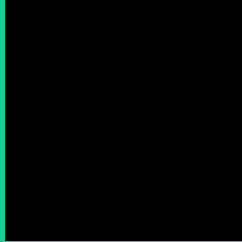
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

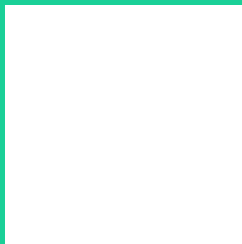
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.5678, 47.5657, 36.9536

Background



This preview shows how black text looks on a background with the XYZ color 28.5678, 47.5657, 36.9536.

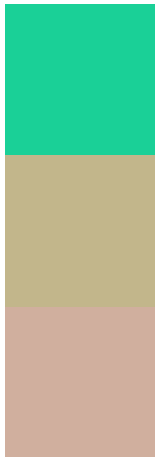


This preview shows how white text looks on a background with the XYZ color 28.5678, 47.5657,

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

28.5678, 47.5657, 36.9536

Protanopia

43.6363, 46.7893, 31.1575

Deuteranopia

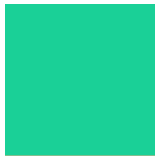
47.5140, 46.5385, 38.8263



Tritanopia

35.7214, 47.6441, 72.2793

Trichromacy



Original Color

28.5678, 47.5657, 36.9536



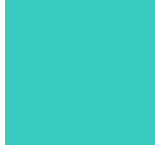
Protanomaly

33.2616, 44.2313, 32.7710



Deuteranomaly

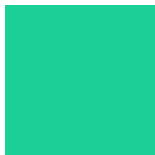
34.8420, 43.6580, 37.6008



Tritanomaly

32.4459, 47.3299, 57.2947

Monochromacy



Original Color

28.5678, 47.5657, 36.9536



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.1268, 33.3976, 33.1390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5678, 47.5657, 36.9536 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(26, 208, 151)` looks like.

```
.text, #text, p{  
    color:rgb(26, 208, 151)  
}
```

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(26, 208, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 208, 151) }
```

Border

The CSS property to change the border of an element to XYZ 28.5678, 47.5657, 36.9536 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(26, 208, 151) }
```


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

```
.border{ border-color:rgb(26, 208, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 208, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 208, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 208, 151);  
box-shadow:4px 4px 4px 4px rgb(26, 208,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5678, 47.5657, 36.9536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 208, 151) }
```

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

```
.background{ background-color: rgb(26, 208,  
151) }
```

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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