

Converting Colors

XYZ(29.5003, 36.0077, 43.2378)

Have a look what the booklet for
XYZ(29.5003, 36.0077, 43.2378)
contains.

XYZ(29.5643, 36.0212, 43.4248)	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(29.5643, 36.0212,
43.4248)**

Conversions

Conversions Part 1

Format	Color
Hex	78ABAA
RGB	120, 171, 170
RGB Percent	47%, 67%, 67%
CMY	0.5294, 0.3294, 0.3333
CMYK	0.30, 0.00, 0.01, 0.33
HSL	179°, 23%, 57%
HSV	179°, 30%, 67%
XYZ	29.5643, 36.0212, 43.4248
YIQ	155.6370, -30.0750, -11.1230

Conversions

Conversions Part 2

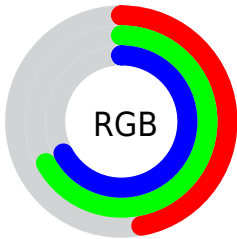
Format	Color
RYB	120, 146, 171
Decimal	7908266
CIELab	66.54, -16.98, -4.91
CIELCh	67, 17.679, 196.134
Yxy	36.0212, 0.2712, 0.3304
Android (android.graphics.Color)	4286098346 (0xFF78ABAA)
YUV	155.6370, 7.0810, -31.2536
Hunter-Lab	60.0177, -17.1030, -0.8859

Details

The XYZ color **29.5643, 36.0212, 43.4248** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.9635, 23.4723, 21.1999**, and the grayscale version is **31.4182, 33.0543, 35.9962**.

A 20% lighter version of the original color is **58.2425, 68.8276, 81.4495**, and **12.3211, 15.7669, 19.5335** is the 20% darker color. If you saturate the color by 10%, you get **27.3698, 34.8945, 43.1571**, and if you desaturate by 10%, it is **32.1845, 37.3692, 43.7144**.

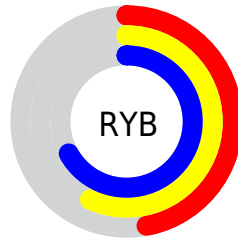
Distribution



Red (47%)

Green (67%)

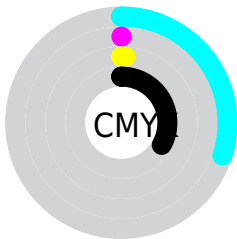
Blue (67%)



Red (47%)

Yellow (57%)

Blue (67%)

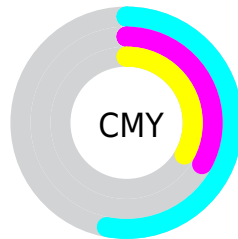


Cyan (30%)

Magenta (0%)

Yellow (1%)

Black (33%)



Cyan (53%)

Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5643, 36.0212, 43.4248 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 29.5643, 36.0212, 43.4248 by changing the saturation by 10% instead.

■ 29.5643, 36.0212,
43.4248

■ 29.5643, 36.0212,
43.4248

291.8147,
329.0532, 376.3283

■ 19.6545, 24.4506,
29.8847

■ 58.3638, 69.0648,
81.6447

■ 12.2510, 15.6682,
19.4998

■ 77.9843, 91.3065,
107.1616

■ 6.9883, 9.2897,
11.8515

■ 101.5724,
117.8741, 137.5079

■ 3.5010, 4.9306,
6.5213

129.4935,
149.1519, 173.1020

■ 1.4239, 2.2066,
3.0907

162.1129,
185.5243, 214.3626

■ 0.2732, 0.7236,
1.1411

199.7960,

■ 0.0000, 0.0000,

227.3757, 261.7081

0.0000

242.9081,
275.0906, 315.5572

■ 29.5643, 36.0212,
43.4248

■ 29.5643, 36.0212,
43.4248

■ 27.3698, 34.8945,
43.1571

■ 32.1845, 37.3692,
43.7144

■ 25.5754, 33.9731,
42.9078

■ 35.2481, 38.9449,
44.0243

■ 24.1574, 33.2457,
42.6766

■ 38.7758, 40.7597,
44.3565

■ 23.0885, 32.6983,
42.4621

■ 42.7857, 42.8232,
44.7116

■ 22.3377, 32.3149,
42.2629

■ 47.2954, 45.1443,
45.0905

■ 21.8684, 32.0766,
42.0773

■ 52.3211, 47.7315,
45.4940

■ 21.6025, 31.9431,
41.9016

■ 57.8788, 50.5928,
45.9228

■ 21.5982, 31.9410,
41.8986

■ 63.3164, 53.3922,
46.3464

■ 63.3489, 53.4052,
46.5175

Harmonies

Analogous

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



29.5169, 36.0212, 35.8210



29.5643, 36.0212, 43.4248



30.8204, 36.0212, 50.7319

Triad

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



29.5643, 36.0212, 43.4248



38.0503, 36.0212, 50.2479



35.4749, 36.0212, 26.6720

Complementary

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



29.5643, 36.0212, 43.4248



26.9635, 23.4723, 21.1999

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.



37.8973, 36.0212, 29.5979



29.5643, 36.0212, 43.4248



39.4354, 36.0212, 42.8296

Square

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



29.5643, 36.0212, 43.4248



35.6751, 36.0212, 55.0056



39.3780, 36.0212, 35.2976



32.8382, 36.0212, 26.7880

Rectangle

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



29.5643, 36.0212, 43.4248



32.2132, 36.0212, 54.1651



39.3780, 36.0212, 35.2976



36.3440, 36.0212, 27.3143

Sweetspot

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



29.5654, 36.0226, 43.4256



63.5193, 69.9481, 78.8802



25.9377, 34.5991, 23.0811



13.9784, 15.5027, 17.5724



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.5654, 36.0226, 43.4256



50.1895, 63.0945, 77.4383



25.5623, 27.8641, 42.5608



8.2294, 9.0693, 10.2332



16.2836, 24.0787, 31.5967



0.4551, 0.6707, 0.8900

Inverse Universe

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



26.9635, 23.4723, 21.1999



44.7489, 36.8471, 30.9606



30.1290, 29.9012, 21.9534



8.0114, 8.0178, 8.3708



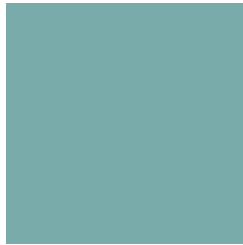
12.6768, 6.5333, 0.6778



0.3547, 0.1826, 0.0295

Previews

White Background



This preview shows how the XYZ color 29.5643, 36.0212, 43.4248 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 29.5643, 36.0212, 43.4248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

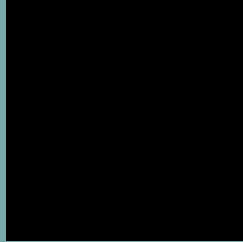
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.5643, 36.0212, 43.4248

Background



This preview shows how black text looks on a background with the XYZ color 29.5643, 36.0212, 43.4248.

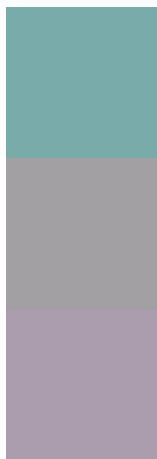


This preview shows how white text looks on a background with the XYZ color 29.5643, 36.0212,

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

29.5643, 36.0212, 43.4248

Protanopia

34.3759, 35.6085, 40.1833

Deuteranopia

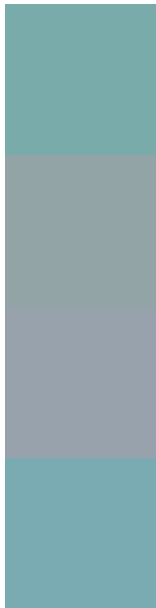
36.3944, 35.7890, 44.5249



Tritanopia

30.9036, 36.0058, 50.1208

Trichromacy



Original Color

29.5643, 36.0212, 43.4248

Protanomaly

32.1910, 35.5071, 41.2333

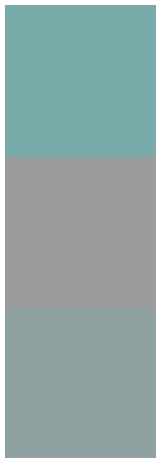
Deuteranomaly

33.3156, 35.4946, 44.1250

Tritanomaly

30.4366, 36.1014, 47.4836

Monochromacy



Original Color

29.5643, 36.0212, 43.4248

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.5056, 33.9026, 38.6543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5643, 36.0212, 43.4248 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(120, 171, 170)` looks like.

```
.text, #text, p{  
    color:rgb(120, 171, 170)  
}
```

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(120, 171, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 171, 170) }
```

Border

The CSS property to change the border of an element to XYZ 29.5643, 36.0212, 43.4248 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(120, 171, 170) }
```


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

```
.border{ border-color:rgb(120, 171, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 171, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 171, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 171, 170);  
box-shadow:4px 4px 4px 4px rgb(120, 171,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5643, 36.0212, 43.4248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 171, 170) }
```

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

```
.background{ background-color: rgb(120,  
171, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor