

Converting Colors

XYZ(29.8200, 44.9256, 47.4703)

Have a look what the booklet for
XYZ(29.8200, 44.9256, 47.4703)
contains.

XYZ(29.7922, 44.7827, 47.6312)	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(29.7922, 44.7827,
47.6312)**

Conversions

Conversions Part 1

Format	Color
Hex	38C7AF
RGB	56, 199, 175
RGB Percent	22%, 78%, 69%
CMY	0.7804, 0.2196, 0.3137
CMYK	0.72, 0.00, 0.12, 0.22
HSL	170°, 56%, 50%
HSV	170°, 72%, 78%
XYZ	29.7922, 44.7827, 47.6312
YIQ	153.5070, -77.5240, -37.7800

Conversions

Conversions Part 2

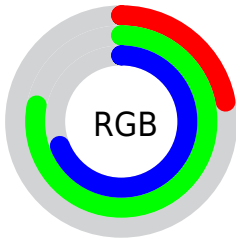
Format	Color
RYB	56, 134, 199
Decimal	3721135
CIELab	72.75, -42.89, 1.19
CIElCh	73, 42.909, 178.410
Yxy	44.7827, 0.2438, 0.3665
Android (android.graphics.Color)	4281911215 (0xFF38C7AF)
YUV	153.5070, 10.5960, -85.5136
Hunter-Lab	66.9199, -37.6430, 4.6434

Details

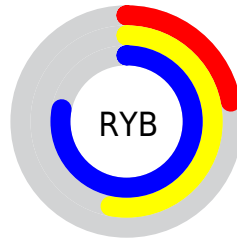
The XYZ color **29.7922, 44.7827, 47.6312** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **26.4169, 15.5510, 9.2006**, and the grayscale version is **30.4803, 32.0677, 34.9217**.

A 20% lighter version of the original color is **58.2113, 81.4441, 87.5151**, and **13.5484, 21.3766, 22.1509** is the 20% darker color. If you saturate the color by 10%, you get **28.5693, 44.1908, 45.8834**, and if you desaturate by 10%, it is **31.4676, 45.6091, 49.4446**.

Distribution



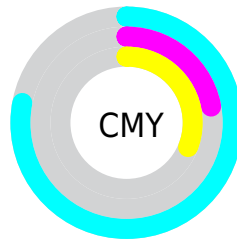
- Red (22%)
- Green (78%)
- Blue (69%)



- Red (22%)
- Yellow (53%)
- Blue (78%)



- Cyan (72%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)



- Cyan (78%)
- Magenta (22%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7922, 44.7827, 47.6312 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 29.7922, 44.7827, 47.6312 by changing the saturation by 10% instead.

■ 29.7922, 44.7827,
47.6312

■ 29.7922, 44.7827,
47.6312

292.8619,
365.8928, 393.7949

■ 19.8282, 31.2863,
33.1770

■ 58.7223, 82.3942,
88.0149

■ 12.3778, 20.8170,
21.9899

■ 78.4191, 107.2782,
114.7814

■ 7.0755, 12.9903,
13.6512

■ 102.0909,
136.7267, 146.4892

■ 3.5561, 7.4218,
7.7425

■ 130.1030,
171.1243, 183.5567

■ 1.4542, 3.7273,
3.8452

■ 162.8208,
210.8553, 226.4025

■ 0.2944, 1.5222,
1.5408

200.6096,

■ 0.0000, 0.3043,

256.3041, 275.4451

0.2481

243.8349,
307.8551, 331.1030

■ 0.0000, 0.0000,
0.0000

■ 29.7922, 44.7827,
47.6312

■ 29.7922, 44.7827,
47.6312

■ 28.5693, 44.1908,
45.8834

■ 31.4676, 45.6091,
49.4446

■ 27.7392, 43.7994,
44.1950

■ 33.6386, 46.6889,
51.3228

■ 27.2705, 43.5868,
42.8605

■ 36.3473, 48.0450,
53.2692

■ 39.6304, 49.6963,
55.2857

■ 43.5212, 51.6599,
57.3742

■ 48.0506, 53.9518,
59.5364

■ 53.2473, 56.5866,
61.7740

■ 59.1382, 59.5784,
64.0884

■ 65.7488, 62.9401,
66.4812

Harmonies

Analogous

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



31.4924, 44.7827, 30.2743



29.7922, 44.7827, 47.6312



31.1684, 44.7827, 70.9971

Triad

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



29.7922, 44.7827, 47.6312



49.7494, 44.7827, 94.4725



50.5173, 44.7827, 21.5005

Complementary

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



29.7922, 44.7827, 47.6312



26.4169, 15.5510, 9.2006

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.



56.4468, 44.7827, 31.7321



29.7922, 44.7827, 47.6312



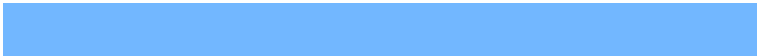
55.9683, 44.7827, 73.5603

Square

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



29.7922, 44.7827, 47.6312



42.1684, 44.7827, 102.3343



58.5478, 44.7827, 49.9080



42.9633, 44.7827, 18.1760

Rectangle

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



29.7922, 44.7827, 47.6312



33.7472, 44.7827, 86.3252



58.5478, 44.7827, 49.9080



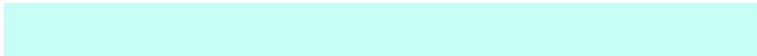
52.7979, 44.7827, 24.0655

Sweetspot

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



29.7935, 44.7844, 47.6323



75.8574, 90.2767, 100.2812



24.6373, 42.9377, 10.7317



15.8151, 19.1100, 21.2466



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.



29.7935, 44.7844, 47.6323



49.1570, 76.9617, 78.7250



23.4501, 27.9840, 58.2002



10.8673, 12.0358, 13.2514



17.5630, 28.0376, 27.7069



0.8525, 1.3359, 1.4218

Inverse Universe

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



26.4169, 15.5510, 9.2006



43.0482, 22.9782, 8.3847



28.9499, 21.7919, 6.4228



10.7053, 10.6655, 11.4314



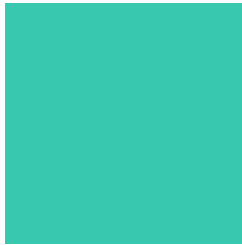
15.3477, 7.8886, 1.7746



0.7500, 0.3828, 0.2064

Previews

White Background



This preview shows how the XYZ color 29.7922, 44.7827, 47.6312 looks on a white background.

Color Contrast Check

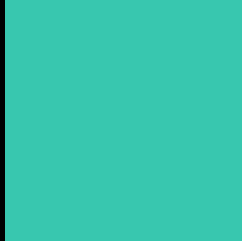
Large Text (above 18pt) WCAG AA × Fail

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 29.7922, 44.7827, 47.6312 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

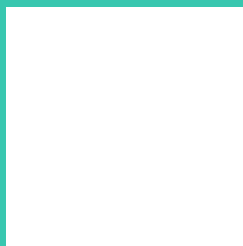
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7922, 44.7827, 47.6312

Background



This preview shows how black text looks on a background with the XYZ color 29.7922, 44.7827, 47.6312.

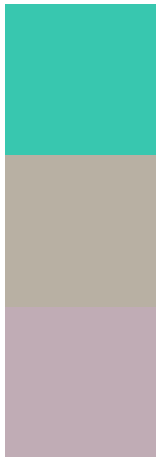


This preview shows how white text looks on a background with the XYZ color 29.7922, 44.7827,

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

29.7922, 44.7827, 47.6312

Protanopia

41.9034, 43.8854, 40.9125

Deuteranopia

44.8312, 44.0477, 49.8553



Tritanopia

33.8263, 44.7326, 67.8242

Trichromacy



Original Color

29.7922, 44.7827, 47.6312



Protanomaly

34.4321, 42.3894, 42.9264



Deuteranomaly

36.1923, 42.5502, 48.9533



Tritanomaly

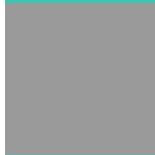
32.2019, 44.7400, 59.7618

Monochromacy



Original Color

29.7922, 44.7827, 47.6312



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.3675, 35.2096, 39.4834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7922, 44.7827, 47.6312 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(56, 199, 175)` looks like.

```
.text, #text, p{  
    color:rgb(56, 199, 175)  
}
```

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(56, 199, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 199, 175) }
```

Border

The CSS property to change the border of an element to XYZ 29.7922, 44.7827, 47.6312 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(56, 199, 175) }
```


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

```
.border{ border-color:rgb(56, 199, 175) }
```

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

Here you see how a box with a 4 pixel rgb(56, 199, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 199, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 199, 175);  
box-shadow:4px 4px 4px 4px rgb(56, 199,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7922, 44.7827, 47.6312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 199, 175) }
```

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

```
.background{ background-color: rgb(56, 199,  
175) }
```

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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