

Converting Colors

XYZ(29.8971, 45.6775, 47.9331)

Have a look what the booklet for
XYZ(29.8971, 45.6775, 47.9331)
contains.

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Color

**XYZ(29.7512, 45.4493,
47.7620)**

Conversions

Conversions Part 1

Format	Color
Hex	2EC9AF
RGB	46, 201, 175
RGB Percent	18%, 79%, 69%
CMY	0.8196, 0.2118, 0.3137
CMYK	0.77, 0.00, 0.13, 0.21
HSL	170°, 63%, 48%
HSV	170°, 77%, 79%
XYZ	29.7512, 45.4493, 47.7620
YIQ	151.6910, -84.0340, -40.9460

Conversions

Conversions Part 2

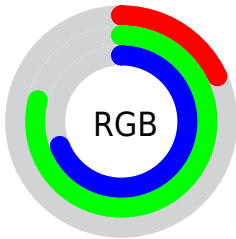
Format	Color
RYB	46, 131, 201
Decimal	3066287
CIELab	73.19, -44.94, 1.81
CIElCh	73, 44.973, 177.697
Yxy	45.4493, 0.2420, 0.3696
Android (android.graphics.Color)	4281256367 (0xFF2EC9AF)
YUV	151.6910, 11.4913, -92.6910
Hunter-Lab	67.4161, -39.2049, 5.1863

Details

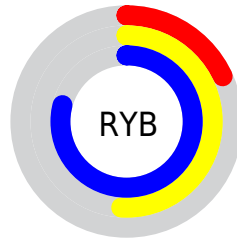
The XYZ color **29.7512, 45.4493, 47.7620** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **26.2356, 14.8406, 7.6143**, and the grayscale version is **29.6915, 31.2377, 34.0179**.

A 20% lighter version of the original color is **57.3790, 81.0151, 87.4762**, and **13.8540, 21.9878, 22.2528** is the 20% darker color. If you saturate the color by 10%, you get **28.7219, 44.9576, 46.0074**, and if you desaturate by 10%, it is **31.2149, 46.1662, 49.5822**.

Distribution



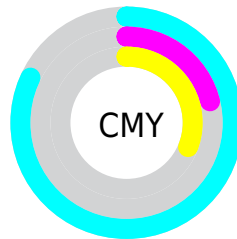
- Red (18%)
- Green (79%)
- Blue (69%)



- Red (18%)
- Yellow (51%)
- Blue (79%)



- Cyan (77%)
- Magenta (0%)
- Yellow (13%)
- Black (21%)




- Cyan (82%)
- Magenta (21%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7512, 45.4493, 47.7620 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 29.7512, 45.4493, 47.7620 by changing the saturation by 10% instead.


 29.7512, 45.4493,
47.7620


 29.7512, 45.4493,
47.7620


292.6737,
368.5902, 394.3294


 19.7970, 31.8115,
33.2798


 58.6578, 83.3942,
88.2118

 12.3549, 21.2175,
22.0680

 78.3409, 108.4701,
115.0165


 7.0598, 13.2831,
13.7081


 101.9977,
138.1275, 146.7657

 3.5462, 7.6238,
7.7815

 129.9934,
172.7507, 183.8781

 1.4488, 3.8552,
3.8697

 162.6935,
212.7242, 226.7721

 0.2906, 1.5929,
1.5541

200.4634,

 0.0000, 0.3528,

258.4323, 275.8663

0.2578

243.6683,
310.2595, 331.5792

■ 0.0000, 0.0000,
0.0000

■ 29.7512, 45.4493,
47.7620

■ 29.7512, 45.4493,
47.7620

■ 28.7219, 44.9576,
46.0074

■ 31.2149, 46.1662,
49.5822

■ 28.0520, 44.6491,
44.3114

■ 33.1616, 47.1301,
51.4674

■ 27.8887, 44.5753,
43.8308

■ 35.6374, 48.3657,
53.4213

■ 38.6820, 49.8936,
55.4458

■ 42.3313, 51.7322,
57.5430

■ 46.6182, 53.8986,
59.7147

■ 51.5731, 56.4083,
61.9627

■ 57.2246, 59.2761,
64.2885

■ 63.5995, 62.5159,
66.6937

Harmonies

Analogous

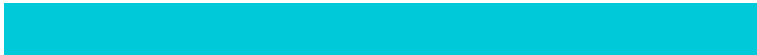
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.6090, 45.4493, 29.7206



29.7512, 45.4493, 47.7620



31.1168, 45.4493, 72.5356

Triad

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



29.7512, 45.4493, 47.7620



50.6350, 45.4493, 98.7467



51.8174, 45.4493, 21.1114

Complementary

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



29.7512, 45.4493, 47.7620



26.2356, 14.8406, 7.6143

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.



58.0606, 45.4493, 31.9244



29.7512, 45.4493, 47.7620



57.3217, 45.4493, 76.5059

Square

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



29.7512, 45.4493, 47.7620



42.5918, 45.4493, 106.7852



60.1868, 45.4493, 51.2521



43.8104, 45.4493, 17.5451

Rectangle

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



29.7512, 45.4493, 47.7620



33.7764, 45.4493, 89.0470



60.1868, 45.4493, 51.2521



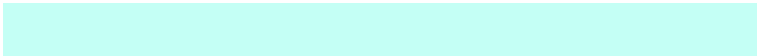
54.2270, 45.4493, 23.8189

Sweetspot

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



29.7525, 45.4511, 47.7631



75.1221, 89.9052, 99.9092



24.2375, 43.4449, 9.6938



15.5304, 18.9663, 21.0962



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.



29.7525, 45.4511, 47.7631



48.3002, 76.5646, 76.6685



22.8855, 27.2292, 59.3099



10.8674, 12.0358, 13.2517



17.5640, 28.0380, 27.7124



0.8525, 1.3359, 1.4220

Inverse Universe

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



26.2356, 14.8406, 7.6143



42.2083, 21.9895, 5.9741



28.6819, 20.8159, 5.0917



10.7053, 10.6655, 11.4312



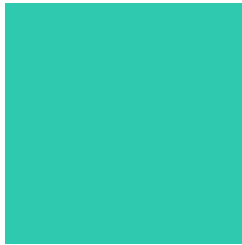
15.3475, 7.8886, 1.7737



0.7499, 0.3828, 0.2063

Previews

White Background



This preview shows how the XYZ color 29.7512, 45.4493, 47.7620 looks on a white background.

Color Contrast Check

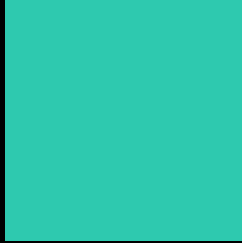
Large Text (above 18pt) WCAG AA × Fail

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 29.7512, 45.4493, 47.7620 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

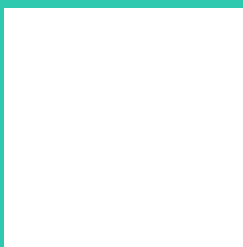
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7512, 45.4493, 47.7620

Background



This preview shows how black text looks on a background with the XYZ color 29.7512, 45.4493, 47.7620.

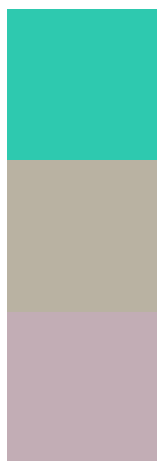


This preview shows how white text looks on a background with the XYZ color 29.7512, 45.4493,

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

29.7512, 45.4493, 47.7620

Protanopia

42.4496, 44.7637, 40.5853

Deuteranopia

45.5322, 44.6927, 49.9428



Tritanopia

34.0778, 45.4985, 69.2734

Trichromacy



Original Color

29.7512, 45.4493, 47.7620



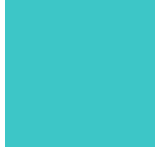
Protanomaly

34.3655, 42.9762, 43.0432



Deuteranomaly

35.8854, 42.6971, 48.9978



Tritanomaly

32.4274, 45.5038, 61.1068

Monochromacy



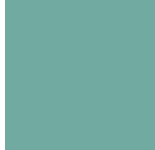
Original Color

29.7512, 45.4493, 47.7620



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.5299, 34.7982, 38.5235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7512, 45.4493, 47.7620 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(46, 201, 175)` looks like.

```
.text, #text, p{  
    color:rgb(46, 201, 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(46, 201, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 201, 175) }
```

Border

The CSS property to change the border of an element to XYZ 29.7512, 45.4493, 47.7620 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(46, 201, 175) }
```


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

```
.border{ border-color:rgb(46, 201, 175) }
```

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

Here you see how a box with a 4 pixel rgb(46, 201, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 201, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 201, 175);  
box-shadow:4px 4px 4px 4px rgb(46, 201,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7512, 45.4493, 47.7620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 201, 175) }
```

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

```
.background{ background-color: rgb(46, 201,  
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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