

Converting Colors

XYZ(29.8879, 47.7912, 48.2572)

Have a look what the booklet for
XYZ(29.8879, 47.7912, 48.2572)
contains.

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Color

**XYZ(30.0507, 47.7208,
48.1846)**

Conversions

Conversions Part 1

Format	Color
Hex	00CFAF
RGB	0, 207, 175
RGB Percent	0%, 81%, 69%
CMY	0.9999, 0.1882, 0.3137
CMYK	1.00, 0.00, 0.15, 0.19
HSL	171°, 100%, 41%
HSV	171°, 100%, 81%
XYZ	30.0507, 47.7208, 48.1846
YIQ	141.4590, -113.1000, -53.8360

Conversions

Conversions Part 2

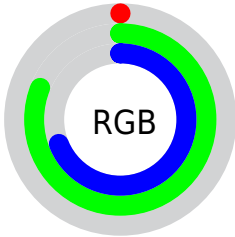
Format	Color
RYB	0, 112, 207
Decimal	53167
CIELab	74.65, -50.10, 3.88
CIELCh	75, 50.252, 175.571
Yxy	47.7208, 0.2386, 0.3789
Android (android.graphics.Color)	4278243247 (0xFF00CF AF)
YUV	141.4590, 16.5357, -124.0595
Hunter-Lab	69.0802, -43.2409, 7.0004

Details

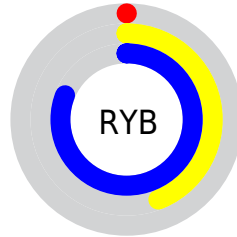
The XYZ color **30.0507, 47.7208, 48.1846** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.9946, 13.3711, 2.5799**, and the grayscale version is **25.4712, 26.7976, 29.1826**.

A 20% lighter version of the original color is **55.7518, 80.1762, 87.4000**, and **14.6418, 23.5633, 22.5154** is the 20% darker color. If you saturate the color by 10%, you get **30.0511, 47.7222, 48.1830**, and if you desaturate by 10%, it is **30.6735, 48.0062, 49.8755**.

Distribution



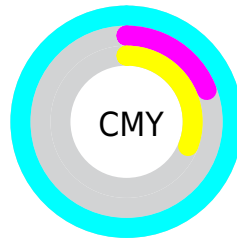
- Red (0%)
- Green (81%)
- Blue (69%)



- Red (0%)
- Yellow (44%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (19%)



- Cyan (100%)
- Magenta (19%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0507, 47.7208, 48.1846 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 30.0507, 47.7208, 48.1846 by changing the saturation by 10% instead.

■ 30.0507, 47.7208,
48.1846

■ 30.0507, 47.7208,
48.1846

294.0463,
377.6844, 396.0532

■ 20.0253, 33.6058,
33.6121

■ 59.1284, 86.7886,
88.8476

■ 12.5218, 22.5910,
22.3208

■ 78.9115, 112.5101,
115.7751

■ 7.1748, 14.2918,
13.8922

■ 102.6779,
142.8694, 147.6581

■ 3.6190, 8.3239,
7.9079

■ 130.7928,
178.2507, 184.9150

■ 1.4889, 4.3029,
3.9491

■ 163.6218,
219.0385, 227.9645

■ 0.3183, 1.8444,
1.5975

201.5302,

■ 0.0000, 0.5146,

265.6171, 277.2249

0.2890

244.8832,
318.3709, 333.1150

■ 0.0000, 0.0000,
0.0000

■ 30.0507, 47.7208,
48.1846

■ 30.0507, 47.7208,
48.1846

■ 30.0511, 47.7222,
48.1830

■ 30.6735, 48.0062,
49.8755

■ 31.6274, 48.4604,
51.6200

■ 33.0239, 49.1418,
53.4246

■ 34.9224, 50.0811,
55.2925

■ 37.3733, 51.3044,
57.2261

■ 40.4207, 52.8342,
59.2278

■ 44.1042, 54.6911,
61.2997

■ 48.4599, 56.8936,
63.4438

■ 53.5214, 59.4590,
65.6618

Harmonies

Analogous

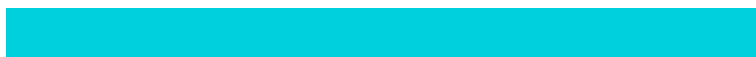
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.3995, 47.7208, 28.4619



30.0507, 47.7208, 48.1846



31.3315, 47.7208, 76.7342

Triad

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



30.0507, 47.7208, 48.1846



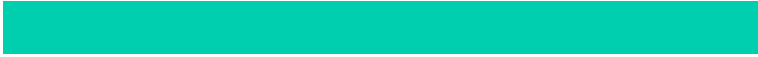
53.3380, 47.7208, 111.5513



55.9886, 47.7208, 20.6140

Complementary

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



30.0507, 47.7208, 48.1846



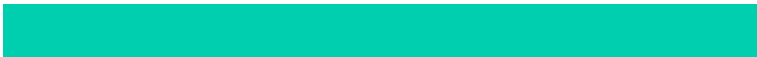
25.9946, 13.3711, 2.5799

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.



63.0458, 47.7208, 33.1900



30.0507, 47.7208, 48.1846



61.3775, 47.7208, 85.7606

Square

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



30.0507, 47.7208, 48.1846



44.0191, 47.7208, 119.6610



65.1384, 47.7208, 55.9273



46.7221, 47.7208, 16.2968

Rectangle

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



30.0507, 47.7208, 48.1846



34.1763, 47.7208, 96.5985



65.1384, 47.7208, 55.9273



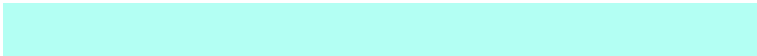
58.7440, 47.7208, 23.7574

Sweetspot

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



30.0520, 47.7226, 48.1857



70.4386, 87.5257, 98.1115



22.9911, 44.9764, 7.4706



14.5138, 18.4500, 20.6940



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.



30.0520, 47.7226, 48.1857



48.0994, 76.4557, 76.8982



20.3537, 22.6862, 62.3397



12.0765, 13.3744, 14.7595



18.9614, 30.0775, 30.5067



1.0819, 1.6904, 1.8201

Inverse Universe

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



25.9946, 13.3711, 2.5799



41.6133, 21.4093, 3.8960



27.8628, 17.5251, 1.9151



11.8822, 11.8376, 12.6555



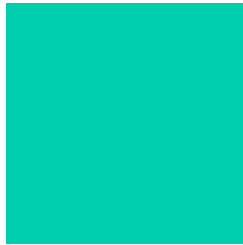
16.3991, 8.4325, 1.7419



0.9411, 0.4811, 0.2244

Previews

White Background



This preview shows how the XYZ color 30.0507, 47.7208, 48.1846 looks on a white background.

Color Contrast Check

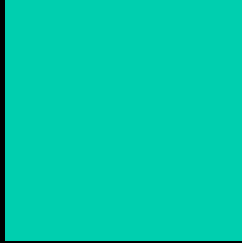
Large Text (above 18pt) WCAG AA × Fail

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 30.0507, 47.7208, 48.1846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

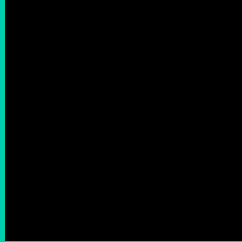
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

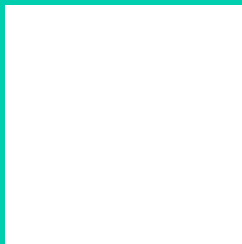
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0507, 47.7208, 48.1846

Background



This preview shows how black text looks on a background with the XYZ color 30.0507, 47.7208, 48.1846.

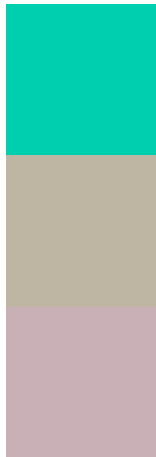


This preview shows how white text looks on a background with the XYZ color 30.0507, 47.7208,

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

30.0507, 47.7208, 48.1846

Protanopia

44.4847, 47.0117, 40.9120

Deuteranopia

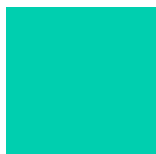
47.7882, 46.7074, 50.7527



Tritanopia

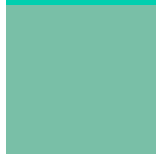
35.1560, 47.6826, 72.9964

Trichromacy



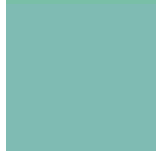
Original Color

30.0507, 47.7208, 48.1846



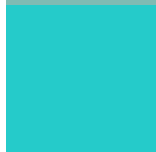
Protanomaly

33.4910, 44.1166, 43.3094



Deuteranomaly

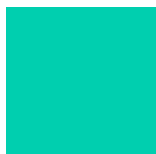
34.6594, 43.3073, 49.1802



Tritanomaly

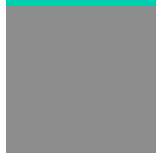
32.7796, 47.3695, 63.2927

Monochromacy



Original Color

30.0507, 47.7208, 48.1846



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

23.4214, 31.3838, 34.9602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0507, 47.7208, 48.1846 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(0, 207, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 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(0, 207, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 175) }
```

Border

The CSS property to change the border of an element to XYZ 30.0507, 47.7208, 48.1846 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(0, 207, 175) }
```


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

```
.border{ border-color:rgb(0, 207, 175) }
```

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

Here you see how a box with a 4 pixel rgb(0, 207, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0507, 47.7208, 48.1846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 175) }
```

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

```
.background{ background-color: rgb(0, 207,  
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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