

Converting Colors

XYZ(30.1876, 47.9042, 46.1482)

Have a look what the booklet for
XYZ(30.1876, 47.9042, 46.1482)
contains.

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Color

**XYZ(30.1424, 47.8128,
46.1682)**

Conversions

Conversions Part 1

Format	Color
Hex	1CCFAB
RGB	28, 207, 171
RGB Percent	11%, 81%, 67%
CMY	0.8901, 0.1882, 0.3294
CMYK	0.86, 0.00, 0.17, 0.19
HSL	168°, 76%, 46%
HSV	168°, 86%, 81%
XYZ	30.1424, 47.8128, 46.1682
YIQ	149.3750, -95.1280, -49.1440

Conversions

Conversions Part 2

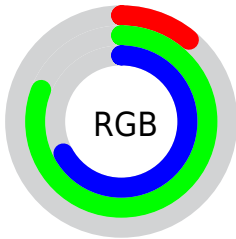
Format	Color
RYB	28, 128, 207
Decimal	1888171
CIELab	74.71, -50.01, 6.14
CIELCh	75, 50.382, 173.003
Yxy	47.8128, 0.2428, 0.3852
Android (android.graphics.Color)	4280078251 (0xFF1CCFAB)
YUV	149.3750, 10.6611, -106.4459
Hunter-Lab	69.1468, -43.1954, 8.8158

Details

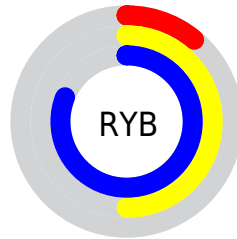
The XYZ color **30.1424, 47.8128, 46.1682** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **27.0745, 14.4674, 6.2183**, and the grayscale version is **28.7126, 30.2079, 32.8963**.

A 20% lighter version of the original color is **55.9179, 80.3260, 84.5088**, and **14.5580, 23.7884, 21.2771** is the 20% darker color. If you saturate the color by 10%, you get **29.3653, 47.4585, 44.0935**, and if you desaturate by 10%, it is **31.3206, 48.3748, 48.3291**.

Distribution



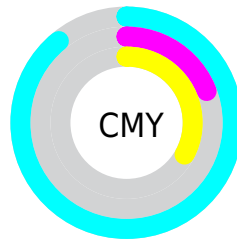
- Red (11%)
- Green (81%)
- Blue (67%)



- Red (11%)
- Yellow (50%)
- Blue (81%)



- Cyan (86%)
- Magenta (0%)
- Yellow (17%)
- Black (19%)





- Cyan (89%)
- Magenta (19%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1424, 47.8128, 46.1682 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 30.1424, 47.8128, 46.1682 by changing the saturation by 10% instead.


 30.1424, 47.8128,
46.1682


 30.1424, 47.8128,
46.1682


294.4656,
378.0496, 387.7817


 20.0953, 33.6787,
32.0289


 59.2724, 86.9256,
85.8076


 12.5730, 22.6468,
21.1186


 79.0860, 112.6731,
112.1448


 7.2101, 14.3330,
13.0186


 102.8858,
143.0605, 143.3851

 3.6414, 8.3526,
7.3105

 131.0372,
178.4721, 179.9471

 1.5013, 4.3214,
3.5757

 163.9055,
219.2925, 222.2491

 0.3267, 1.8549,
1.3956

201.8561,

 0.0000, 0.5211,

265.9059, 270.7099

0.1383

245.2543,
318.6968, 325.7479

■ 0.0000, 0.0000,
0.0000

■ 30.1424, 47.8128,
46.1682

■ 30.1424, 47.8128,
46.1682

■ 29.3653, 47.4585,
44.0935

■ 31.3206, 48.3748,
48.3291

■ 29.1386, 47.3572,
43.3778

■ 32.9674, 49.1757,
50.5768

■ 35.1399, 50.2461,
52.9154

■ 37.8860, 51.6108,
55.3479

■ 41.2483, 53.2916,
57.8769

■ 45.2649, 55.3083,
60.5045

■ 49.9712, 57.6790,
63.2331

■ 55.3999, 60.4205,
66.0648

■ 61.5814, 63.5486,
69.0014

Harmonies

Analogous

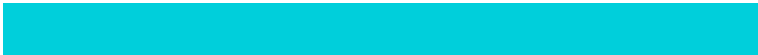
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.8080, 47.8128, 27.2727



30.1424, 47.8128, 46.1682



31.1156, 47.8128, 74.3008

Triad

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



30.1424, 47.8128, 46.1682



52.6614, 47.8128, 113.4648



56.8578, 47.8128, 21.3282

Complementary

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



30.1424, 47.8128, 46.1682



27.0745, 14.4674, 6.2183

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.



63.6100, 47.8128, 34.7697



30.1424, 47.8128, 46.1682



60.9694, 47.8128, 88.5869

Square

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



30.1424, 47.8128, 46.1682



43.3379, 47.8128, 119.6700



65.2074, 47.8128, 58.4329



47.6185, 47.8128, 16.3870

Rectangle

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



30.1424, 47.8128, 46.1682



33.7694, 47.8128, 94.4683



65.2074, 47.8128, 58.4329



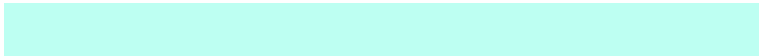
59.5415, 47.8128, 24.7317

Sweetspot

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



30.1437, 47.8146, 46.1693



72.6486, 88.6912, 97.0306



24.8241, 45.8972, 8.6502



15.0392, 18.7269, 20.4484



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.



30.1437, 47.8146, 46.1693



46.6243, 75.8657, 69.1306



23.6793, 28.6265, 63.3110



12.0522, 13.3646, 14.6314



18.3925, 29.8499, 27.5108



1.0549, 1.6796, 1.6778

Inverse Universe

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



27.0745, 14.4674, 6.2183



41.8440, 21.5016, 5.1104



28.7192, 18.9025, 3.2344



11.9046, 11.8466, 12.7733



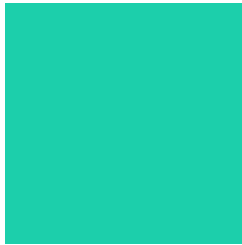
16.4990, 8.4724, 2.2679



0.9515, 0.4853, 0.2792

Previews

White Background



This preview shows how the XYZ color 30.1424, 47.8128, 46.1682 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 30.1424, 47.8128, 46.1682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

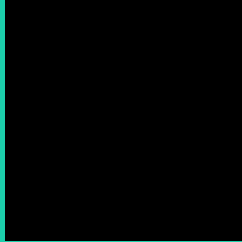
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

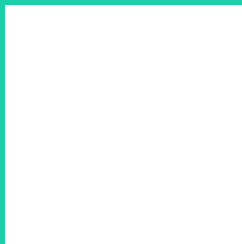
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1424, 47.8128, 46.1682

Background



This preview shows how black text looks on a background with the XYZ color 30.1424, 47.8128, 46.1682.



This preview shows how white text looks on a background with the XYZ color 30.1424, 47.8128,

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

30.1424, 47.8128, 46.1682

Protanopia

44.3854, 47.0009, 39.0805

Deuteranopia

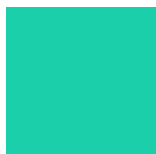
47.6486, 46.6825, 48.6188



Tritanopia

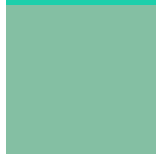
35.5910, 47.9069, 73.0167

Trichromacy



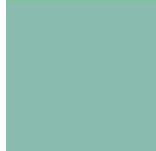
Original Color

30.1424, 47.8128, 46.1682



Protanomaly

34.7574, 44.8115, 41.4679



Deuteranomaly

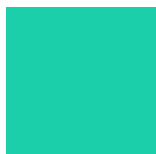
35.9894, 44.0391, 47.1610



Tritanomaly

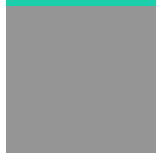
33.1974, 47.6121, 62.0839

Monochromacy



Original Color

30.1424, 47.8128, 46.1682



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

26.2862, 34.1870, 37.1116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1424, 47.8128, 46.1682 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(28, 207, 171)` looks like.

```
.text, #text, p{  
    color:rgb(28, 207, 171)  
}
```

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(28, 207, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 207, 171) }
```

Border

The CSS property to change the border of an element to XYZ 30.1424, 47.8128, 46.1682 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(28, 207, 171) }
```


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

```
.border{ border-color:rgb(28, 207, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 207, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 207, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 207, 171);  
box-shadow:4px 4px 4px 4px rgb(28, 207,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1424, 47.8128, 46.1682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 207, 171) }
```

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

```
.background{ background-color: rgb(28, 207,  
171) }
```

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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