

Converting Colors

XYZ(30.9003, 51.5317, 40.0864)

Have a look what the booklet for
XYZ(30.9003, 51.5317, 40.0864)
contains.

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Color

**XYZ(31.0184, 51.7402,
40.2503)**

Conversions

Conversions Part 1

Format	Color
Hex	18D89D
RGB	24, 216, 157
RGB Percent	9%, 85%, 62%
CMY	0.9058, 0.1529, 0.3843
CMYK	0.89, 0.00, 0.27, 0.15
HSL	162°, 80%, 47%
HSV	162°, 89%, 85%
XYZ	31.0184, 51.7402, 40.2503
YIQ	151.8660, -95.4930, -59.0530

Conversions

Conversions Part 2

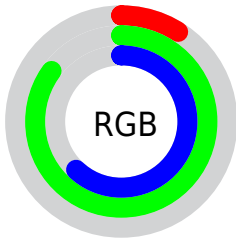
Format	Color
RYB	24, 137, 216
Decimal	1628317
CIELab	77.13, -57.16, 17.02
CIELCh	77, 59.641, 163.416
Yxy	51.7402, 0.2522, 0.4206
Android (android.graphics.Color)	4279818397 (0xFF18D89D)
YUV	151.8660, 2.5311, -112.1385
Hunter-Lab	71.9307, -48.9047, 17.1745

Details

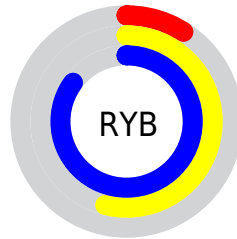
The XYZ color **31.0184, 51.7402, 40.2503** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **30.2089, 15.8782, 9.6600**, and the grayscale version is **29.8090, 31.3614, 34.1525**.

A 20% lighter version of the original color is **54.0741, 79.5885, 74.7995**, and **15.1723, 26.1822, 17.8897** is the 20% darker color. If you saturate the color by 10%, you get **30.1213, 51.3428, 37.3306**, and if you desaturate by 10%, it is **32.3347, 52.3528, 43.3527**.

Distribution



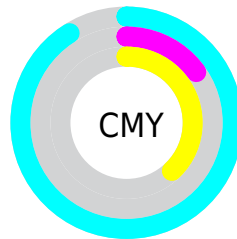
- Red (9%)
- Green (85%)
- Blue (62%)



- Red (9%)
- Yellow (54%)
- Blue (85%)



- Cyan (89%)
- Magenta (0%)
- Yellow (27%)
- Black (15%)





- Cyan (91%)
- Magenta (15%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0184, 51.7402, 40.2503 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 31.0184, 51.7402, 40.2503 by changing the saturation by 10% instead.


 31.0184, 51.7402,
40.2503


 31.0184, 51.7402,
40.2503


298.4484,
393.4328, 362.7608


 20.7648, 36.7980,
27.4185


 60.6447, 92.7480,
76.7858


 13.0636, 25.0512,
17.6526


 80.7480, 119.5824,
101.3265


 7.5497, 16.1152,
10.5340


 104.8653,
151.1496, 130.6073

 3.8575, 9.6057,
5.6442

 133.3619,
187.8342, 165.0466

 1.6219, 5.1383,
2.5647

 166.6032,
230.0204, 205.0631

 0.4066, 2.3286,
0.8741

204.9544,

 0.0000, 0.7888,

278.0926, 251.0753

0.0000

248.7811,
332.4353, 303.5017

■ 0.0000, 0.0000,
0.0000

■ 31.0184, 51.7402,
40.2503

■ 31.0184, 51.7402,
40.2503

■ 30.1213, 51.3428,
37.3306

■ 32.3347, 52.3528,
43.3527

■ 30.0313, 51.3033,
37.0141

■ 34.1685, 53.2273,
46.6415

■ 36.5866, 54.3993,
50.1232

■ 39.6445, 55.8974,
53.8030

■ 43.3908, 57.7467,
57.6852

■ 47.8695, 59.9696,
61.7744

■ 53.1208, 62.5870,
66.0745

■ 59.1818, 65.6180,
70.5895

■ 66.0873, 69.0803,
75.3233

Harmonies

Analogous

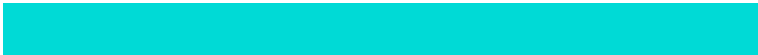
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.5978, 51.7402, 21.9321



31.0184, 51.7402, 40.2503



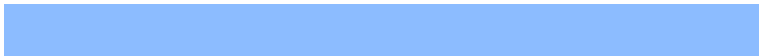
30.7883, 51.7402, 72.1935

Triad

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



31.0184, 51.7402, 40.2503



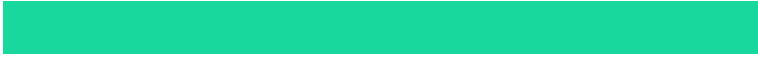
54.4408, 51.7402, 142.1238



66.8807, 51.7402, 23.2669

Complementary

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



31.0184, 51.7402, 40.2503



30.2089, 15.8782, 9.6600

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.



73.7301, 51.7402, 42.9897



31.0184, 51.7402, 40.2503



65.8342, 51.7402, 115.3489

Square

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



31.0184, 51.7402, 40.2503



43.1824, 51.7402, 140.4655



73.3200, 51.7402, 76.2218



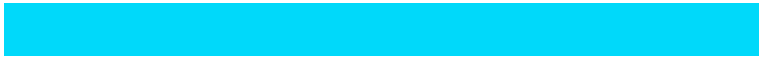
55.7033, 51.7402, 15.0467

Rectangle

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



31.0184, 51.7402, 40.2503



33.0559, 51.7402, 98.4641



73.3200, 51.7402, 76.2218



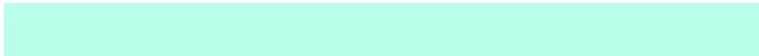
69.8376, 51.7402, 28.3533

Sweetspot

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



31.0198, 51.7422, 40.2515



70.8746, 87.9093, 90.9549



28.4511, 51.1020, 9.2292



14.6489, 18.5570, 19.0178



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.



31.0198, 51.7422, 40.2515



43.6593, 74.6797, 53.5171



29.2566, 38.1213, 70.7842



12.6221, 14.0398, 15.0905



17.8251, 30.3854, 22.1725



1.1114, 1.8472, 1.5281

Inverse Universe

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



30.2089, 15.8782, 9.6600



42.6283, 21.8153, 9.2409



30.0600, 17.8155, 2.7195



12.5788, 12.4830, 13.7224



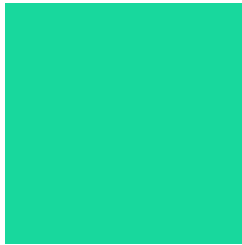
17.3932, 8.8936, 4.1088



1.0857, 0.5511, 0.4409

Previews

White Background



This preview shows how the XYZ color 31.0184, 51.7402, 40.2503 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 31.0184, 51.7402, 40.2503 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

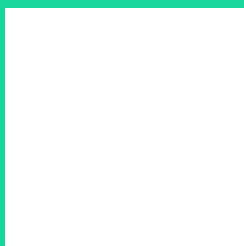
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0184, 51.7402, 40.2503

Background



This preview shows how black text looks on a background with the XYZ color 31.0184, 51.7402, 40.2503.

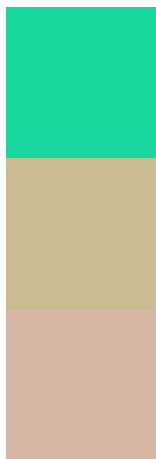


This preview shows how white text looks on a background with the XYZ color 31.0184, 51.7402,

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

31.0184, 51.7402, 40.2503

Protanopia

47.3744, 50.5366, 33.6432

Deuteranopia

51.8384, 50.7714, 42.6650



Tritanopia

38.5914, 51.4633, 78.4204

Trichromacy



Original Color

31.0184, 51.7402, 40.2503



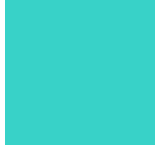
Protanomaly

35.9354, 47.8765, 35.7809



Deuteranomaly

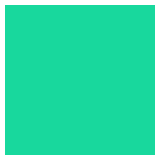
37.6674, 47.3032, 41.3276



Tritanomaly

35.1028, 51.1041, 62.6575

Monochromacy



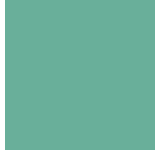
Original Color

31.0184, 51.7402, 40.2503



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

26.9884, 35.9963, 36.0974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0184, 51.7402, 40.2503 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(24, 216, 157)` looks like.

```
.text, #text, p{  
    color:rgb(24, 216, 157)  
}
```

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(24, 216, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 216, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.0184, 51.7402, 40.2503 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(24, 216, 157) }
```


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

```
.border{ border-color:rgb(24, 216, 157) }
```

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

Here you see how a box with a 4 pixel rgb(24, 216, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 216, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 216, 157);  
box-shadow:4px 4px 4px 4px rgb(24, 216,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0184, 51.7402, 40.2503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 216, 157) }
```

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

```
.background{ background-color: rgb(24, 216,  
157) }
```

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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