

Converting Colors

XYZ(34.0824, 51.9405, 51.4092)

Have a look what the booklet for
XYZ(34.0824, 51.9405, 51.4092)
contains.

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Color

**XYZ(34.0824, 51.9405,
51.4092)**

Conversions

Conversions Part 1

Format	Color
Hex	3FD5B4
RGB	63, 213, 180
RGB Percent	25%, 84%, 71%
CMY	0.7529, 0.1647, 0.2941
CMYK	0.70, 0.00, 0.15, 0.16
HSL	167°, 64%, 54%
HSV	167°, 70%, 84%
XYZ	34.0824, 51.9405, 51.4092
YIQ	164.3880, -78.8070, -42.0630

Conversions

Conversions Part 2

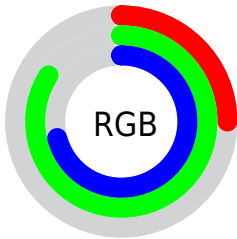
Format	Color
RYB	63, 147, 213
Decimal	4183476
CIELab	77.25, -46.70, 5.03
CIELCh	77, 46.967, 173.851
Yxy	51.9405, 0.2480, 0.3779
Android (android.graphics.Color)	4282373556 (0xFF3FD5B4)
YUV	164.3880, 7.6967, -88.9173
Hunter-Lab	72.0698, -41.7079, 8.1558

Details

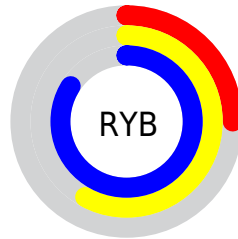
The XYZ color **34.0824, 51.9405, 51.4092** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **31.3312, 18.5472, 12.9972**, and the grayscale version is **35.4645, 37.3114, 40.6322**.

A 20% lighter version of the original color is **60.1062, 82.3220, 92.0787**, and **15.8877, 25.6462, 24.1915** is the 20% darker color. If you saturate the color by 10%, you get **32.5069, 51.1838, 48.8861**, and if you desaturate by 10%, it is **36.2029, 52.9788, 54.0444**.

Distribution



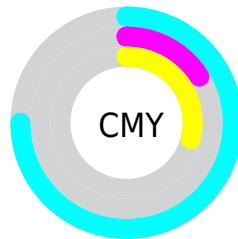
- Red (25%)
- Green (84%)
- Blue (71%)



- Red (25%)
- Yellow (58%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (15%)
- Black (16%)





- Cyan (75%)
- Magenta (16%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0824, 51.9405, 51.4092 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 34.0824, 51.9405, 51.4092 by changing the saturation by 10% instead.


 34.0824, 51.9405,
51.4092


 34.0824, 51.9405,
51.4092


312.0788,
394.2069, 409.0434


 23.1201, 36.9577,
36.1554


 65.4052, 93.0435,
93.6770


 14.8034, 25.1747,
24.2636


 86.4965, 119.9324,
121.5281


 8.7669, 16.2073,
15.3153


 111.6947,
151.5588, 154.4154

 4.6454, 9.6709,
8.8919

 141.3653,
188.3071, 192.7574

 2.0733, 5.1813,
4.5749

 175.8737,
230.5616, 236.9727

 0.6747, 2.3540,
1.9457

215.5852,

 0.0000, 0.8021,

278.7069, 287.4797

0.5216

260.8651,
333.1271, 344.6971

■ 0.0000, 0.0000,
0.0000

■ 34.0824, 51.9405,
51.4092

■ 34.0824, 51.9405,
51.4092

■ 32.5069, 51.1838,
48.8861

■ 36.2029, 52.9788,
54.0444

■ 31.4073, 50.6693,
46.4677


■ 38.9185, 54.3208,
56.7913


■ 30.6908, 50.3484,
44.2439


■ 42.2783, 55.9930,
59.6543


■ 46.3252, 58.0174,
62.6361

■ 51.0981, 60.4141,
65.7393

 56.6331, 63.2019,
68.9664

 62.9639, 66.3978,
72.3198

 70.1221, 70.0184,
75.8016

 78.1376, 74.0789,
79.4139

Harmonies

Analogous

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



36.6701, 51.9405, 32.0652



34.0824, 51.9405, 51.4092



35.1705, 51.9405, 79.0570

Triad

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



34.0824, 51.9405, 51.4092



56.7018, 51.9405, 115.0786



60.2970, 51.9405, 25.2302

Complementary

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



34.0824, 51.9405, 51.4092



31.3312, 18.5472, 12.9972

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.



66.9488, 51.9405, 38.7867



34.0824, 51.9405, 51.4092



64.7030, 51.9405, 91.1210

Square

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



34.0824, 51.9405, 51.4092



47.5370, 51.9405, 121.5346



68.6518, 51.9405, 62.0319



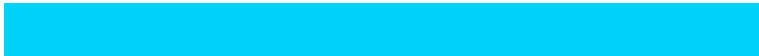
51.2452, 51.9405, 20.2021

Rectangle

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



34.0824, 51.9405, 51.4092



37.9093, 51.9405, 98.3108



68.6518, 51.9405, 62.0319



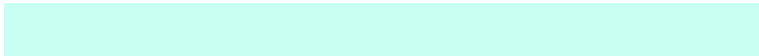
62.9300, 51.9405, 28.6972

Sweetspot

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



34.0839, 51.9425, 51.4104



76.1792, 90.4842, 98.4169



29.7302, 50.5462, 12.8932



15.8584, 19.1426, 20.7837



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.



34.0839, 51.9425, 51.4104



47.8692, 76.4571, 71.4659



29.0055, 35.7501, 68.3247



12.6698, 14.0589, 15.3415



18.7862, 30.7698, 27.2337



1.1627, 1.8677, 1.7984

Inverse Universe

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



31.3312, 18.5472, 12.9972



43.6184, 23.3332, 10.9960



33.1898, 24.2074, 7.6270



12.5340, 12.4651, 13.4863



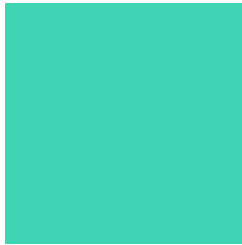
17.1052, 8.7784, 2.5921



1.0633, 0.5421, 0.3225

Previews

White Background



This preview shows how the XYZ color 34.0824, 51.9405, 51.4092 looks on a white background.

Color Contrast Check

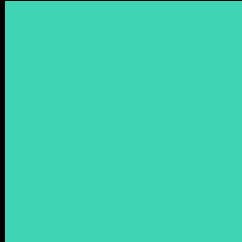
Large Text (above 18pt) WCAG AA × Fail

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 34.0824, 51.9405, 51.4092 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

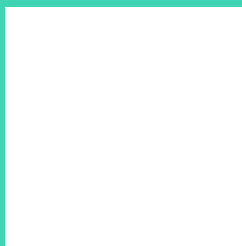
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0824, 51.9405, 51.4092

Background



This preview shows how black text looks on a background with the XYZ color 34.0824, 51.9405, 51.4092.

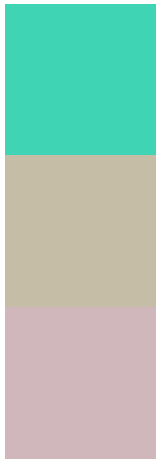


This preview shows how white text looks on a background with the XYZ color 34.0824, 51.9405,

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

34.0824, 51.9405, 51.4092

Protanopia

48.4613, 51.1910, 43.8859

Deuteranopia

51.9156, 50.8647, 54.0953



Tritanopia

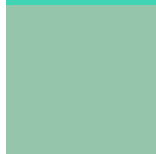
39.4235, 51.8923, 78.4594

Trichromacy



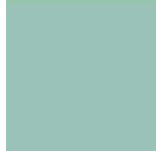
Original Color

34.0824, 51.9405, 51.4092



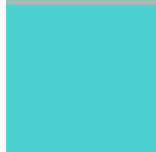
Protanomaly

40.0349, 49.7563, 46.5236



Deuteranomaly

41.4611, 49.0128, 52.6226



Tritanomaly

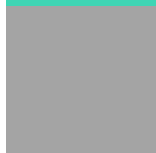
37.1661, 51.6915, 67.6931

Monochromacy



Original Color

34.0824, 51.9405, 51.4092



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.7360, 40.8702, 44.1936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0824, 51.9405, 51.4092 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(63, 213, 180)` looks like.

```
.text, #text, p{  
    color:rgb(63, 213, 180)  
}
```

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(63, 213, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 213, 180) }
```

Border

The CSS property to change the border of an element to XYZ 34.0824, 51.9405, 51.4092 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(63, 213, 180) }
```


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

```
.border{ border-color:rgb(63, 213, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 213, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 213, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 213, 180);  
box-shadow:4px 4px 4px 4px rgb(63, 213,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0824, 51.9405, 51.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 213, 180) }
```

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

```
.background{ background-color: rgb(63, 213,  
180) }
```

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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