

Converting Colors

XYZ(31.7456, 51.6527, 32.3398)

Have a look what the booklet for
XYZ(31.7456, 51.6527, 32.3398)
contains.

XYZ(31.6946, 51.5059, 32.3159)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.6946, 51.5059,
32.3159)**

Conversions

Conversions Part 1

Format	Color
Hex	4DD68A
RGB	77, 214, 138
RGB Percent	30%, 84%, 54%
CMY	0.6980, 0.1608, 0.4588
CMYK	0.64, 0.00, 0.36, 0.16
HSL	147°, 63%, 57%
HSV	147°, 64%, 84%
XYZ	31.6946, 51.5059, 32.3159
YIQ	164.3730, -57.2560, -52.6800

Conversions

Conversions Part 2

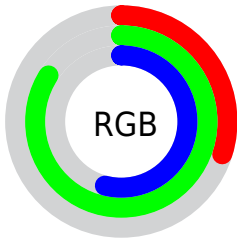
Format	Color
RYB	77, 172, 214
Decimal	5101194
CIELab	76.98, -54.07, 26.91
CIELCh	77, 60.396, 153.541
Yxy	51.5059, 0.2744, 0.4459
Android (android.graphics.Color)	4283291274 (0xFF4DD68A)
YUV	164.3730, -13.0019, -76.6261
Hunter-Lab	71.7676, -46.7627, 23.5399

Details

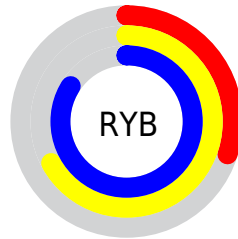
The XYZ color **31.6946, 51.5059, 32.3159** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **36.1369, 21.9049, 32.4624**, and the grayscale version is **35.5452, 37.3963, 40.7246**.

A 20% lighter version of the original color is **55.9219, 80.8147, 62.5206**, and **13.9472, 25.1418, 13.1346** is the 20% darker color. If you saturate the color by 10%, you get **29.4306, 50.4341, 27.9664**, and if you desaturate by 10%, it is **34.6230, 52.9122, 37.1893**.

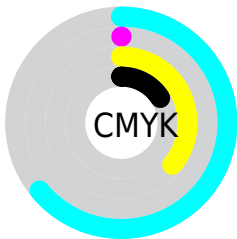
Distribution



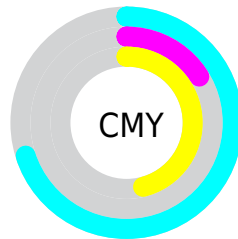
- Red (30%)
- Green (84%)
- Blue (54%)



- Red (30%)
- Yellow (67%)
- Blue (84%)



- Cyan (64%)
- Magenta (0%)
- Yellow (36%)
- Black (16%)





- Cyan (70%)
- Magenta (16%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6946, 51.5059, 32.3159 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 31.6946, 51.5059, 32.3159 by changing the saturation by 10% instead.


 31.6946, 51.5059,
32.3159


 31.6946, 51.5059,
32.3159


301.4958,
392.5261, 327.0927

 21.2828, 36.6114,
21.3361


 61.7004, 92.4021,
64.4096


 13.4445, 24.9067,
13.1763


 82.0251, 119.1727,
86.3607

 7.8144, 16.0076,
7.4179


 106.3849,
150.6706, 112.8058

 4.0272, 9.5295,
3.6424

 135.1449,
187.2804, 144.1637

 1.7176, 5.0882,
1.4313

168.6707,
229.3865, 180.8527

 0.4672, 2.2991,
0.1659

207.3275,

 0.0000, 0.7732,

277.3732, 223.2916

0.0000

251.4807,
331.6250, 271.8987

■ 0.0000, 0.0000,
0.0000

■ 31.6946, 51.5059,
32.3159

■ 31.6946, 51.5059,
32.3159

■ 29.4306, 50.4341,
27.9664

■ 34.6230, 52.9122,
37.1893

■ 27.7659, 49.6594,
24.1186

■ 38.2651, 54.6737,
42.6005


■ 26.6281, 49.1461,
20.7538


■ 42.6695, 56.8168,
48.5672


■ 26.1260, 48.9264,
18.9612


■ 47.8797, 59.3634,
55.1053

■ 53.9354, 62.3338,
62.2299

 60.8739, 65.7469,
69.9555

 68.7300, 69.6204,
78.2961

 77.5368, 73.9711,
87.2652

 81.7460, 75.9384,
96.6149

Harmonies

Analogous

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



37.7166, 51.5059, 18.1048



31.6946, 51.5059, 32.3159



30.0217, 51.5059, 60.0875

Triad

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



31.6946, 51.5059, 32.3159



50.3344, 51.5059, 146.1096



69.8147, 51.5059, 27.8446

Complementary

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



31.6946, 51.5059, 32.3159



36.1369, 21.9049, 32.4624

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.



74.5324, 51.5059, 52.2570



31.6946, 51.5059, 32.3159



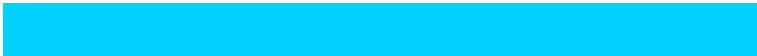
62.2293, 51.5059, 127.2334

Square

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



31.6946, 51.5059, 32.3159



39.7414, 51.5059, 134.1126



71.5608, 51.5059, 89.3269



59.4924, 51.5059, 16.3244

Rectangle

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



31.6946, 51.5059, 32.3159



31.3395, 51.5059, 85.3961



71.5608, 51.5059, 89.3269



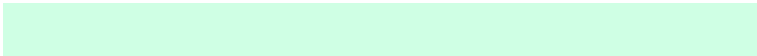
72.1760, 51.5059, 34.3843

Sweetspot

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



31.6959, 51.5080, 32.3171



75.3871, 90.3289, 86.9497



38.8351, 55.5636, 15.6998



15.5921, 19.0675, 17.9645



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.



31.6959, 51.5080, 32.3171



42.7370, 74.5168, 39.3551



38.1121, 54.0745, 66.1043



12.4899, 13.9870, 14.3942



15.8416, 29.5920, 11.7272



0.9968, 1.8014, 0.9248

Inverse Universe

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



36.1369, 21.9049, 32.4624



49.8144, 27.1634, 39.4564



32.0720, 20.2790, 11.0568



12.7087, 12.5350, 14.4064



18.8175, 9.4633, 11.6088



1.1764, 0.5873, 0.9182

Previews

White Background



This preview shows how the XYZ color 31.6946, 51.5059, 32.3159 looks on a white background.

Color Contrast Check

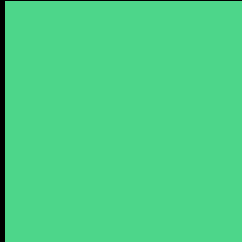
Large Text (above 18pt) WCAG AA × Fail

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 31.6946, 51.5059, 32.3159 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

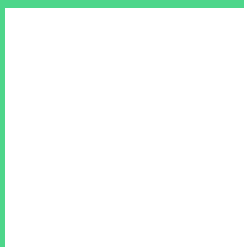
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6946, 51.5059, 32.3159

Background



This preview shows how black text looks on a background with the XYZ color 31.6946, 51.5059, 32.3159.



This preview shows how white text looks on a background with the XYZ color 31.6946, 51.5059,

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

31.6946, 51.5059, 32.3159

Protanopia

46.7158, 50.3361, 27.3323

Deuteranopia

51.4535, 50.4642, 33.8167



Tritanopia

40.2201, 51.2961, 75.4915

Trichromacy



Original Color

31.6946, 51.5059, 32.3159



Protanomaly

38.1635, 48.8403, 28.8884



Deuteranomaly

40.3146, 48.5279, 32.8332



Tritanomaly

36.4662, 51.2091, 56.6776

Monochromacy



Original Color

31.6946, 51.5059, 32.3159



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.1601, 40.7280, 37.1766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6946, 51.5059, 32.3159 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(77, 214, 138)` looks like.

```
.text, #text, p{  
    color:rgb(77, 214, 138)  
}
```

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(77, 214, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 214, 138) }
```

Border

The CSS property to change the border of an element to XYZ 31.6946, 51.5059, 32.3159 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(77, 214, 138) }
```


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

```
.border{ border-color:rgb(77, 214, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 214, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 214, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 214, 138);  
box-shadow:4px 4px 4px 4px rgb(77, 214,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6946, 51.5059, 32.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 214, 138) }
```

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

```
.background{ background-color: rgb(77, 214,  
138) }
```

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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