

Converting Colors

XYZ(33.3926, 49.7466, 51.0221)

Have a look what the booklet for
XYZ(33.3926, 49.7466, 51.0221)
contains.

XYZ(33.3926, 49.7466, 51.0221)	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(33.3926, 49.7466,
51.0221)**

Conversions

Conversions Part 1

Format	Color
Hex	47D0B4
RGB	71, 208, 180
RGB Percent	28%, 82%, 71%
CMY	0.7215, 0.1843, 0.2941
CMYK	0.66, 0.00, 0.13, 0.18
HSL	168°, 59%, 55%
HSV	168°, 66%, 82%
XYZ	33.3926, 49.7466, 51.0221
YIQ	163.8450, -72.6640, -37.7520

Conversions

Conversions Part 2

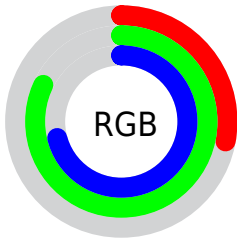
Format	Color
RYB	71, 147, 208
Decimal	4706484
CIELab	75.91, -43.37, 3.13
CIELCh	76, 43.482, 175.876
Yxy	49.7466, 0.2489, 0.3708
Android (android.graphics.Color)	4282896564 (0xFF47D0B4)
YUV	163.8450, 7.9644, -81.4251
Hunter-Lab	70.5313, -38.9200, 6.4817

Details

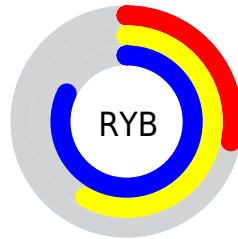
The XYZ color **33.3926, 49.7466, 51.0221** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **30.5194, 18.8185, 13.8300**, and the grayscale version is **35.2024, 37.0356, 40.3318**.

A 20% lighter version of the original color is **60.8920, 82.7270, 92.1154**, and **15.2220, 24.3148, 23.9696** is the 20% darker color. If you saturate the color by 10%, you get **31.6940, 48.9214, 48.7171**, and if you desaturate by 10%, it is **35.6292, 50.8500, 53.4238**.

Distribution



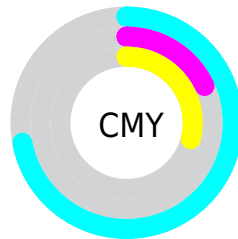
- Red (28%)
- Green (82%)
- Blue (71%)



- Red (28%)
- Yellow (58%)
- Blue (82%)



- Cyan (66%)
- Magenta (0%)
- Yellow (13%)
- Black (18%)



- Cyan (72%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3926, 49.7466, 51.0221 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 33.3926, 49.7466, 51.0221 by changing the saturation by 10% instead.

33.3926, 49.7466,
51.0221

33.3926, 49.7466,
51.0221

309.0489,
385.6742, 407.4986

22.5880, 35.2121,
35.8493

64.3386, 89.7993,
93.0993

14.4086, 23.8263,
24.0291

85.2107, 116.0863,
120.8408

8.4890, 15.2048,
15.1428

110.1694,
147.0596, 153.6089

4.4638, 8.9633,
8.7719

139.5800,
183.1036, 191.8223

1.9677, 4.7172,
4.4979

173.8079,
224.6026, 235.8994

0.6158, 2.0823,
1.9023

213.2185,

0.0000, 0.6547,

271.9411, 286.2588

0.4942

258.1770,
325.5035, 343.3191

■ 0.0000, 0.0000,
0.0000

■ 33.3926, 49.7466,
51.0221

■ 33.3926, 49.7466,
51.0221

■ 31.6940, 48.9214,
48.7171

■ 35.6292, 50.8500,
53.4238

■ 30.4732, 48.3399,
46.5022

■ 38.4478, 52.2507,
55.9216

■ 29.6623, 47.9681,
44.3745

■ 41.8923, 53.9725,
58.5193

■ 29.3928, 47.8478,
43.5172

■ 46.0014, 56.0353,
61.2192

■ 50.8106, 58.4574,
64.0237

■ 56.3528, 61.2558,
66.9347

■ 62.6587, 64.4464,
69.9544

■ 69.7575, 68.0440,
73.0846

■ 76.4863, 71.4492,
76.2715

Harmonies

Analogous

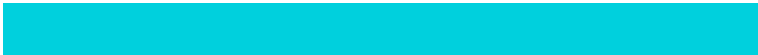
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.5304, 49.7466, 32.8060



33.3926, 49.7466, 51.0221



34.6130, 49.7466, 76.0472

Triad

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



33.3926, 49.7466, 51.0221



54.4076, 49.7466, 104.9998



56.5649, 49.7466, 25.0050

Complementary

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



33.3926, 49.7466, 51.0221



30.5194, 18.8185, 13.8300

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.



62.7187, 49.7466, 36.9442



33.3926, 49.7466, 51.0221



61.3767, 49.7466, 83.2251

Square

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



33.3926, 49.7466, 51.0221



46.1719, 49.7466, 111.9166



64.5723, 49.7466, 57.4356



48.4111, 49.7466, 20.7551

Rectangle

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



33.3926, 49.7466, 51.0221



37.2510, 49.7466, 92.8887



64.5723, 49.7466, 57.4356



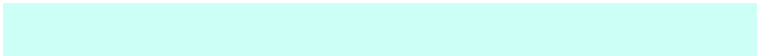
58.9707, 49.7466, 28.0501

Sweetspot

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



33.3940, 49.7485, 51.0233



77.0786, 90.9241, 99.5347



29.0262, 48.3171, 13.7585



16.0395, 19.2306, 21.0347



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.



33.3940, 49.7485, 51.0233



49.3725, 77.1380, 75.7878



28.2073, 34.3397, 64.8182



12.0505, 13.3640, 14.6224



18.3542, 29.8346, 27.3091



1.0531, 1.6789, 1.6681

Inverse Universe

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



30.5194, 18.8185, 13.8300



44.5914, 24.6779, 13.1742



32.7076, 24.9788, 9.0597



11.9062, 11.8472, 12.7816



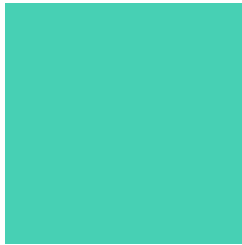
16.5069, 8.4756, 2.3097



0.9522, 0.4856, 0.2830

Previews

White Background



This preview shows how the XYZ color 33.3926, 49.7466, 51.0221 looks on a white background.

Color Contrast Check

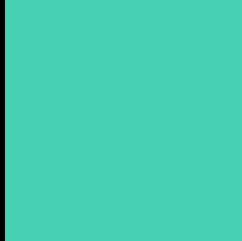
Large Text (above 18pt) WCAG AA × Fail

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 33.3926, 49.7466, 51.0221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

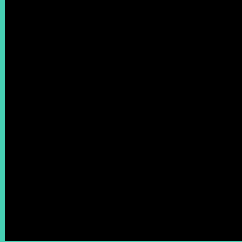
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

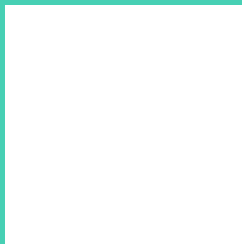
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3926, 49.7466, 51.0221

Background



This preview shows how black text looks on a background with the XYZ color 33.3926, 49.7466, 51.0221.

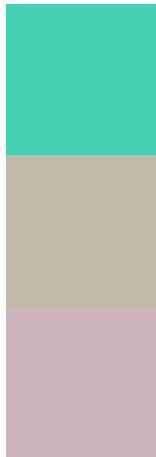


This preview shows how white text looks on a background with the XYZ color 33.3926, 49.7466,

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

33.3926, 49.7466, 51.0221

Protanopia

46.4092, 48.8625, 44.0312

Deuteranopia

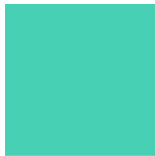
49.8128, 48.8842, 53.2646



Tritanopia

37.9312, 49.4302, 74.5596

Trichromacy



Original Color

33.3926, 49.7466, 51.0221



Protanomaly

38.9108, 47.5080, 46.1489



Deuteranomaly

40.5828, 47.2562, 52.3298



Tritanomaly

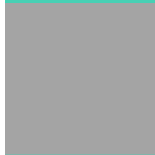
36.0920, 49.3873, 65.3881

Monochromacy



Original Color

33.3926, 49.7466, 51.0221



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.7829, 40.2906, 44.0792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3926, 49.7466, 51.0221 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(71, 208, 180)` looks like.

```
.text, #text, p{  
    color:rgb(71, 208, 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(71, 208, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 208, 180) }
```

Border

The CSS property to change the border of an element to XYZ 33.3926, 49.7466, 51.0221 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(71, 208, 180) }
```


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

```
.border{ border-color:rgb(71, 208, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 208, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(71, 208, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(71, 208, 180); box-shadow:4px 4px 4px 4px rgb(71, 208, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3926, 49.7466, 51.0221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 208, 180) }
```

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

```
.background{ background-color: rgb(71, 208,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor