

Converting Colors

XYZ(21.3998, 39.7471, 10.1273)

Have a look what the booklet for
XYZ(21.3998, 39.7471, 10.1273)
contains.

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Color

**XYZ(21.2968, 39.5375,
10.1235)**

Conversions

Conversions Part 1

Format	Color
Hex	32C237
RGB	50, 194, 55
RGB Percent	20%, 76%, 22%
CMY	0.8039, 0.2392, 0.7843
CMYK	0.74, 0.00, 0.72, 0.24
HSL	122°, 59%, 48%
HSV	122°, 74%, 76%
XYZ	21.2968, 39.5375, 10.1235
YIQ	135.0980, -41.2050, -73.7570

Conversions

Conversions Part 2

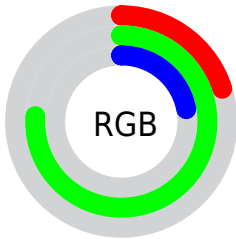
Format	Color
RYB	50, 189, 194
Decimal	3326519
CIELab	69.14, -63.29, 56.19
CIELCh	69, 84.631, 138.402
Yxy	39.5375, 0.3001, 0.5572
Android (android.graphics.Color)	4281516599 (0xFF32C237)
YUV	135.0980, -39.4883, -74.6309
Hunter-Lab	62.8789, -49.5808, 34.4695

Details

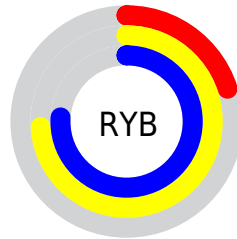
The XYZ color **21.2968, 39.5375, 10.1235** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **32.5750, 17.4252, 49.7905**, and the grayscale version is **23.2196, 24.4288, 26.6029**.

A 20% lighter version of the original color is **45.2326, 74.6685, 26.7803**, and **9.2326, 18.4652, 3.0775** is the 20% darker color. If you saturate the color by 10%, you get **20.1684, 38.9993, 8.1561**, and if you desaturate by 10%, it is **23.0024, 40.3559, 13.0083**.

Distribution



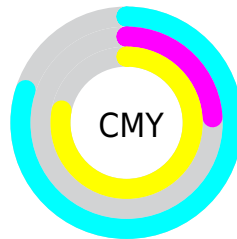
- Red (20%)
- Green (76%)
- Blue (22%)



- Red (20%)
- Yellow (74%)
- Blue (76%)



- Cyan (74%)
- Magenta (0%)
- Yellow (72%)
- Black (24%)



- Cyan (80%)
- Magenta (24%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2968, 39.5375, 10.1235 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 21.2968, 39.5375, 10.1235 by changing the saturation by 10% instead.

■ 21.2968, 39.5375,
10.1235

■ 21.2968, 39.5375,
10.1235

251.5536,
344.1703, 202.0680

■ 13.4548, 27.1781,
5.3742

■ 45.0685, 74.4587,
26.6390

■ 7.8216, 17.7070,
2.4059

■ 61.7290, 97.7894,
39.2423

■ 4.0319, 10.7399,
0.7897

■ 82.0597, 125.5459,
55.3007

■ 1.7202, 5.8922,
0.0000

■ 106.4259,
158.1126, 75.2327

■ 0.4689, 2.7796,
0.0000

■ 135.1931,
195.8741, 99.4569

■ 0.0000, 1.0178,
0.0000

■ 168.7265,

■ 0.0000, 0.0000,

239.2146, 128.3918

0.0000

207.3916,
288.5185, 162.4560

■ 21.2968, 39.5375,
10.1235

■ 21.2968, 39.5375,
10.1235

■ 20.1684, 38.9993,
8.1561

■ 23.0024, 40.3559,
13.0083

■ 19.5388, 38.6999,
6.9933

■ 25.3453, 41.4799,
16.9010

■ 19.3295, 38.5999,
6.6253

■ 28.3809, 42.9377,
21.8840

■ 32.1583, 44.7529,
28.0307

■ 36.7216, 46.9468,
35.4080

■ 42.1118, 49.5392,
44.0777

■ 48.3670, 52.5486,
54.0976

■ 55.5229, 55.9922,
65.5219

■ 63.6132, 59.8862,
78.4017

Harmonies

Analogous

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



29.9546, 39.5375, 4.0004



21.2968, 39.5375, 10.1235



17.4312, 39.5375, 29.7486

Triad

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



21.2968, 39.5375, 10.1235



32.5910, 39.5375, 164.9372



68.0407, 39.5375, 23.5623

Complementary

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



21.2968, 39.5375, 10.1235



32.5750, 17.4252, 49.7905

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.



69.2341, 39.5375, 59.8206



21.2968, 39.5375, 10.1235



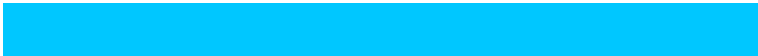
46.3989, 39.5375, 159.3995

Square

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



21.2968, 39.5375, 10.1235



22.8264, 39.5375, 126.1900



60.5678, 39.5375, 113.8178



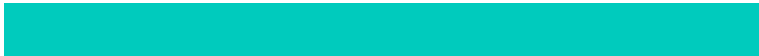
57.6173, 39.5375, 7.9243

Rectangle

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



21.2968, 39.5375, 10.1235



17.2808, 39.5375, 54.8724



60.5678, 39.5375, 113.8178



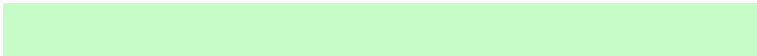
69.6131, 39.5375, 33.0601

Sweetspot

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



21.2977, 39.5391, 10.1244



68.2449, 85.8782, 66.9152



40.9051, 49.6603, 10.4472



14.3946, 18.5418, 13.7667



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.



21.2977, 39.5391, 10.1244



35.7365, 70.2722, 13.3157



24.4259, 40.7904, 26.5972



9.9583, 11.2644, 10.7838



12.7144, 25.3798, 4.3890



0.5543, 1.0986, 0.2159

Inverse Universe

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



32.5750, 17.4252, 49.7905



57.1448, 28.1700, 88.5263



26.6125, 15.0402, 18.3925



10.4817, 10.2413, 12.6271



20.5496, 9.9096, 31.8699



0.8927, 0.4301, 1.4023

Previews

White Background



This preview shows how the XYZ color 21.2968, 39.5375, 10.1235 looks on a white background.

Color Contrast Check

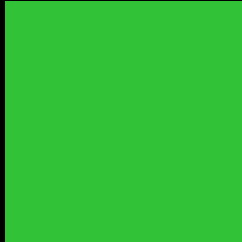
Large Text (above 18pt) WCAG AA × Fail

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 21.2968, 39.5375, 10.1235 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 21.2968, 39.5375, 10.1235

Background



This preview shows how black text looks on a background with the XYZ color 21.2968, 39.5375, 10.1235.



This preview shows how white text looks on a background with the XYZ color 21.2968, 39.5375,

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

21.2968, 39.5375, 10.1235

Protanopia

35.2752, 38.9100, 8.4475

Deuteranopia

39.4539, 38.6235, 10.8445



Tritanopia

30.8021, 39.2574, 58.1786

Trichromacy



Original Color

21.2968, 39.5375, 10.1235



Protanomaly

26.8009, 37.0866, 8.8778



Deuteranomaly

28.4122, 36.4432, 10.2394



Tritanomaly

25.6502, 38.6986, 32.9057

Monochromacy



Original Color

21.2968, 39.5375, 10.1235



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.1989, 27.7606, 17.9294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2968, 39.5375, 10.1235 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(50, 194, 55)` looks like.

```
.text, #text, p{  
    color:rgb(50, 194, 55)  
}
```

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(50, 194, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 194, 55) }
```

Border

The CSS property to change the border of an element to XYZ 21.2968, 39.5375, 10.1235 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(50, 194, 55) }
```


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

```
.border{ border-color:rgb(50, 194, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 194, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 194, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 194, 55);  
box-shadow:4px 4px 4px 4px rgb(50, 194,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2968, 39.5375, 10.1235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 194, 55) }
```

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

```
.background{ background-color: rgb(50, 194,  
55) }
```

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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