

Converting Colors

XYZ(21.6564, 40.1947, 9.9999)

Have a look what the booklet for
XYZ(21.6564, 40.1947, 9.9999)
contains.

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Color

**XYZ(21.5739, 40.0173,
9.9552)**

Conversions

Conversions Part 1

Format	Color
Hex	34C335
RGB	52, 195, 53
RGB Percent	20%, 76%, 21%
CMY	0.7961, 0.2353, 0.7921
CMYK	0.73, 0.00, 0.73, 0.24
HSL	120°, 58%, 48%
HSV	120°, 73%, 76%
XYZ	21.5739, 40.0173, 9.9552
YIQ	136.0550, -39.6460, -74.4780

Conversions

Conversions Part 2

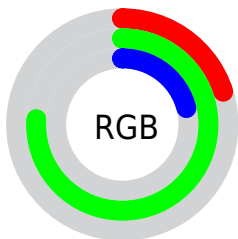
Format	Color
RYB	52, 194, 195
Decimal	3457845
CIELab	69.48, -63.46, 57.28
CIELCh	69, 85.486, 137.927
Yxy	40.0173, 0.3015, 0.5593
Android (android.graphics.Color)	4281647925 (0xFF34C335)
YUV	136.0550, -40.9461, -73.7162
Hunter-Lab	63.2592, -49.8281, 34.9509

Details

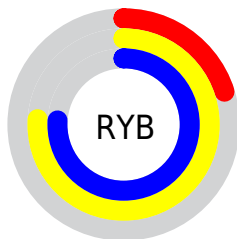
The XYZ color **21.5739, 40.0173, 9.9552** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **33.4722, 17.9537, 52.7399**, and the grayscale version is **23.5826, 24.8108, 27.0189**.

A 20% lighter version of the original color is **45.5778, 75.3263, 26.3246**, and **9.3781, 18.7562, 3.1260** is the 20% darker color. If you saturate the color by 10%, you get **20.4108, 39.4604, 8.0273**, and if you desaturate by 10%, it is **23.3331, 40.8631, 12.8517**.

Distribution



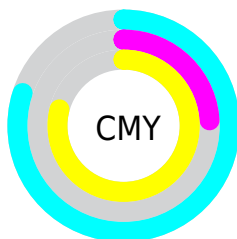
- Red (20%)
- Green (76%)
- Blue (21%)



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



- Cyan (73%)
- Magenta (0%)
- Yellow (73%)
- Black (24%)





- Cyan (80%)
- Magenta (24%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5739, 40.0173, 9.9552 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 21.5739, 40.0173, 9.9552 by changing the saturation by 10% instead.


 21.5739, 40.0173,
9.9552


 21.5739, 40.0173,
9.9552


252.9873,
346.1965, 200.8252


 13.6590, 27.5520,
5.2640


 45.5248, 75.1899,
26.3177

 7.9640, 17.9882,
2.3416

 62.2916, 98.6659,
38.8261


 4.1235, 10.9416,
0.7544


 82.7397, 126.5811,
54.7774

 1.7723, 6.0275,
0.0000

 107.2344,
159.3197, 74.5900

 0.5009, 2.8618,
0.0000

 136.1412,
197.2661, 98.6826

 0.0000, 1.0600,
0.0000

 169.8254,

 0.0000, 0.0000,

240.8048, 127.4736

0.0000

208.6523,
290.3201, 161.3816

■ 21.5739, 40.0173,
9.9552

■ 21.5739, 40.0173,
9.9552

■ 20.4108, 39.4604,
8.0273

■ 23.3331, 40.8631,
12.8517

■ 19.7630, 39.1498,
6.9405

■ 25.7505, 42.0241,
16.8182

■ 19.5234, 39.0348,
6.5448

■ 28.8835, 43.5289,
21.9461

■ 32.7823, 45.4019,
28.3166

■ 37.4930, 47.6650,
36.0034

■ 43.0577, 50.3387,
45.0746

■ 49.5157, 53.4418,
55.5935

■ 56.9038, 56.9920,
67.6196

■ 65.2570, 61.0061,
81.2090

Harmonies

Analogous

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



30.4544, 40.0173, 3.9212



21.5739, 40.0173, 9.9552



17.5762, 40.0173, 29.5602

Triad

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



21.5739, 40.0173, 9.9552



32.7625, 40.0173, 167.7192



69.1933, 40.0173, 24.1529

Complementary

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



21.5739, 40.0173, 9.9552



33.4722, 17.9537, 52.7399

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.



70.2414, 40.0173, 61.4315



21.5739, 40.0173, 9.9552



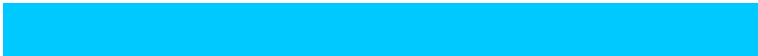
46.7800, 40.0173, 162.8444

Square

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



21.5739, 40.0173, 9.9552



22.9107, 40.0173, 127.5617



61.2654, 40.0173, 116.6805



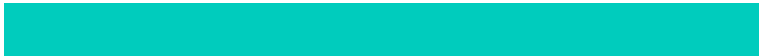
58.6755, 40.0173, 8.0457

Rectangle

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



21.5739, 40.0173, 9.9552



17.3782, 40.0173, 54.8875



61.2654, 40.0173, 116.6805



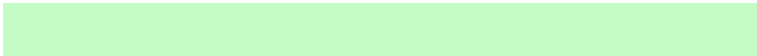
70.7432, 40.0173, 33.9295

Sweetspot

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



21.5748, 40.0190, 9.9561



68.0671, 85.8071, 65.9792



42.6423, 50.8823, 10.8227



14.3528, 18.5251, 13.5465



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.



21.5748, 40.0190, 9.9561



35.7547, 70.2877, 13.0385



24.5388, 41.2046, 25.5641



9.9473, 11.2600, 10.7256



12.6900, 25.3700, 4.2605



0.5493, 1.0966, 0.1894

Inverse Universe

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



33.4722, 17.9537, 52.7399



58.1751, 28.6812, 93.6460



27.3413, 15.5013, 20.4552



10.4942, 10.2463, 12.6929



20.9309, 10.0621, 33.8780



0.9054, 0.4352, 1.4691

Previews

White Background



This preview shows how the XYZ color 21.5739, 40.0173, 9.9552 looks on a white background.

Color Contrast Check

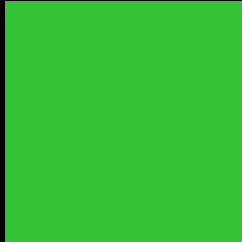
Large Text (above 18pt) WCAG AA × Fail

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 21.5739, 40.0173, 9.9552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

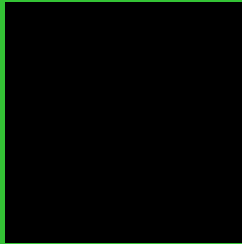
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5739, 40.0173, 9.9552

Background



This preview shows how black text looks on a background with the XYZ color 21.5739, 40.0173, 9.9552.



This preview shows how white text looks on a background with the XYZ color 21.5739, 40.0173,

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

21.5739, 40.0173, 9.9552

Protanopia

35.6674, 39.3920, 8.3083

Deuteranopia

39.8487, 39.0903, 10.5992



Tritanopia

31.3202, 39.8143, 58.8575

Trichromacy



Original Color

21.5739, 40.0173, 9.9552



Protanomaly

27.1222, 37.5515, 8.7244



Deuteranomaly

28.7348, 36.8995, 10.0227



Tritanomaly

26.0230, 39.2047, 32.9838

Monochromacy



Original Color

21.5739, 40.0173, 9.9552



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.4842, 28.1578, 17.9910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5739, 40.0173, 9.9552 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(52, 195, 53)` looks like.

```
.text, #text, p{  
    color:rgb(52, 195, 53)  
}
```

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(52, 195, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 195, 53) }
```

Border

The CSS property to change the border of an element to XYZ 21.5739, 40.0173, 9.9552 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(52, 195, 53) }
```


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

```
.border{ border-color:rgb(52, 195, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 195, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 195, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 195, 53);  
box-shadow:4px 4px 4px 4px rgb(52, 195,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5739, 40.0173, 9.9552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 195, 53) }
```

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

```
.background{ background-color: rgb(52, 195,  
53) }
```

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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