

Converting Colors

XYZ(21.3571, 41.0000, 8.6887)

Have a look what the booklet for
XYZ(21.3571, 41.0000, 8.6887)
contains.

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Color

**XYZ(21.3232, 40.9280,
8.6955)**

Conversions

Conversions Part 1

Format	Color
Hex	25C627
RGB	37, 198, 39
RGB Percent	15%, 78%, 15%
CMY	0.8549, 0.2235, 0.8470
CMYK	0.81, 0.00, 0.80, 0.22
HSL	121°, 69%, 46%
HSV	121°, 81%, 78%
XYZ	21.3232, 40.9280, 8.6955
YIQ	131.7350, -44.9170, -83.5810

Conversions

Conversions Part 2

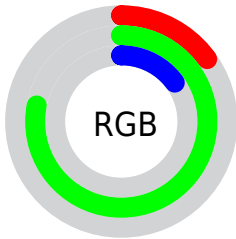
Format	Color
RYB	37, 196, 198
Decimal	2475559
CIELab	70.13, -67.42, 62.36
CIELCh	70, 91.838, 137.229
Yxy	40.9280, 0.3006, 0.5769
Android (android.graphics.Color)	4280665639 (0xFF25C627)
YUV	131.7350, -45.7184, -83.0826
Hunter-Lab	63.9750, -52.4613, 36.7238

Details

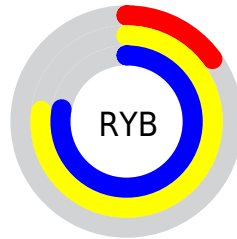
The XYZ color **21.3232, 40.9280, 8.6955** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **33.9144, 17.3146, 53.7759**, and the grayscale version is **22.0085, 23.1547, 25.2154**.

A 20% lighter version of the original color is **44.7747, 75.9126, 23.8480**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **20.5511, 40.5595, 7.3822**, and if you desaturate by 10%, it is **22.6489, 41.5651, 10.9073**.

Distribution



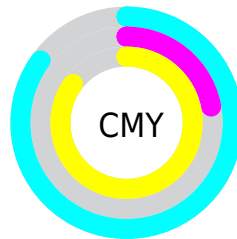
- Red (15%)
- Green (78%)
- Blue (15%)



- Red (15%)
- Yellow (77%)
- Blue (78%)



- Cyan (81%)
- Magenta (0%)
- Yellow (80%)
- Black (22%)





- Cyan (85%)
- Magenta (22%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3232, 40.9280, 8.6955 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 21.3232, 40.9280, 8.6955 by changing the saturation by 10% instead.


 21.3232, 40.9280,
8.6955


 21.3232, 40.9280,
8.6955


251.6905,
350.0196, 191.2235


 13.4743, 28.2628,
4.4490


 45.1120, 76.5746,
23.8793


 7.8352, 18.5239,
1.8748


 61.7827, 100.3248,
35.6538

 4.0406, 11.3268,
0.4766


 82.1246, 128.5388,
50.7746

 1.7251, 6.2871,
0.0000

 106.5031,
161.6010, 69.6603

 0.4719, 3.0204,
0.0000

 135.2836,
199.8958, 92.7295

 0.0000, 1.1424,
0.0000

 168.8314,

 0.0000, 0.0139,

243.8075, 120.4008

0.0000

207.5119,
293.7207, 153.0926

■ 0.0000, 0.0000,
0.0000

■ 21.3232, 40.9280,
8.6955

■ 21.3232, 40.9280,
8.6955

■ 20.5511, 40.5595,
7.3822

■ 22.6489, 41.5651,
10.9073

■ 20.2085, 40.3953,
6.8029

■ 24.6025, 42.5027,
14.1363

■ 27.2499, 43.7740,
18.4861

■ 30.6479, 45.4061,
24.0466

■ 34.8474, 47.4238,
30.8990

■ 39.8952, 49.8493,
39.1171

■ 45.8339, 52.7034,
48.7693

■ 52.7039, 56.0053,
59.9195

■ 60.5426, 59.7731,
72.6276

Harmonies

Analogous

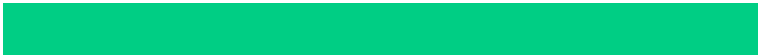
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.9608, 40.9280, 3.0552



21.3232, 40.9280, 8.6955



16.9911, 40.9280, 28.6709

Triad

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



21.3232, 40.9280, 8.6955



32.8614, 40.9280, 183.6209



73.5053, 40.9280, 24.2856

Complementary

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



21.3232, 40.9280, 8.6955



33.9144, 17.3146, 53.7759

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.



74.3973, 40.9280, 65.4541



21.3232, 40.9280, 8.6955



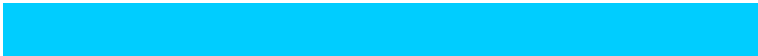
48.0941, 40.9280, 179.3756

Square

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



21.3232, 40.9280, 8.6955



22.4046, 40.9280, 136.9868



64.1760, 40.9280, 127.5949



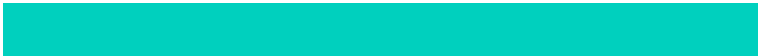
61.9843, 40.9280, 7.2535

Rectangle

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



21.3232, 40.9280, 8.6955



16.7136, 40.9280, 55.7990



64.1760, 40.9280, 127.5949



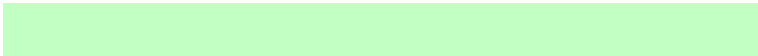
75.1466, 40.9280, 34.9477

Sweetspot

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



21.3242, 40.9297, 8.6964



67.7579, 86.8833, 64.5704



43.8185, 52.5297, 9.5799



13.8096, 18.2634, 12.6918



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.



21.3242, 40.9297, 8.6964



35.8689, 71.5709, 12.1601



24.1983, 42.0793, 23.8312



10.5028, 11.8900, 11.3317



13.1439, 26.2699, 4.4363



0.6243, 1.2446, 0.2201

Inverse Universe

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



33.9144, 17.3146, 53.7759



58.8473, 28.3915, 94.3755



27.1916, 14.6255, 18.3743



11.0772, 10.8143, 13.3898



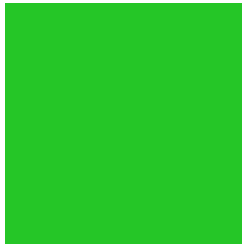
21.5927, 10.3866, 34.6606



1.0243, 0.4926, 1.6511

Previews

White Background



This preview shows how the XYZ color 21.3232, 40.9280, 8.6955 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 21.3232, 40.9280, 8.6955 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 21.3232, 40.9280, 8.6955

Background



This preview shows how black text looks on a background with the XYZ color 21.3232, 40.9280, 8.6955.



This preview shows how white text looks on a background with the XYZ color 21.3232, 40.9280,

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

21.3232, 40.9280, 8.6955

Protanopia

36.1213, 39.9301, 7.1700

Deuteranopia

40.6348, 39.7822, 9.4079



Tritanopia

31.4738, 40.4792, 60.1873

Trichromacy



Original Color

21.3232, 40.9280, 8.6955



Protanomaly

26.6163, 37.9148, 7.5056



Deuteranomaly

27.9245, 36.7983, 8.6486



Tritanomaly

25.4596, 39.5835, 31.4978

Monochromacy



Original Color

21.3232, 40.9280, 8.6955



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.0228, 27.2002, 15.8028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3232, 40.9280, 8.6955 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(37, 198, 39)` looks like.

```
.text, #text, p{  
    color:rgb(37, 198, 39)  
}
```

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(37, 198, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 198, 39) }
```

Border

The CSS property to change the border of an element to XYZ 21.3232, 40.9280, 8.6955 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(37, 198, 39) }
```


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

```
.border{ border-color:rgb(37, 198, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 198, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 198, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 198, 39);  
box-shadow:4px 4px 4px 4px rgb(37, 198,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3232, 40.9280, 8.6955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 198, 39) }
```

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

```
.background{ background-color: rgb(37, 198,  
39) }
```

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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