

Converting Colors

XYZ(21.3175, 41.2142, 9.5987)

Have a look what the booklet for
XYZ(21.3175, 41.2142, 9.5987)
contains.

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Color

**XYZ(21.3336, 41.2544,
9.6348)**

Conversions

Conversions Part 1

Format	Color
Hex	18C730
RGB	24, 199, 48
RGB Percent	9%, 78%, 19%
CMY	0.9059, 0.2196, 0.8117
CMYK	0.88, 0.00, 0.76, 0.22
HSL	128°, 78%, 44%
HSV	128°, 88%, 78%
XYZ	21.3336, 41.2544, 9.6348
YIQ	129.4610, -55.8290, -84.0610

Conversions

Conversions Part 2

Format	Color
R _Y B	24, 178, 199
Decimal	1623856
CIE Lab	70.35, -68.35, 59.76
CIE LCh	70, 90.793, 138.835
Yxy	41.2544, 0.2954, 0.5712
Android (android.graphics.Color)	4279813936 (0xFF18C730)
YUV	129.4610, -40.1603, -92.4893
Hunter-Lab	64.2296, -53.1137, 36.0669

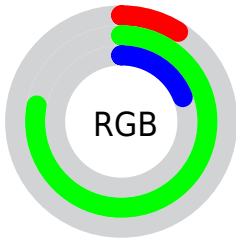
Details

The XYZ color **21.3336, 41.2544, 9.6348** is a dark color, and the websafe version is hex **33CC33**.

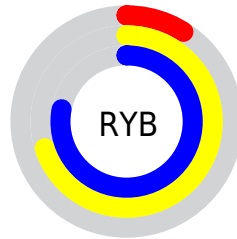
The color can be described as dark washed green. A complement of this color would be **31.6185, 15.8910, 41.9577**, and the grayscale version is **21.1801, 22.2831, 24.2663**.

A 20% lighter version of the original color is **44.4430, 75.7076, 25.3673**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.7207, 40.9730, 8.1015**, and if you desaturate by 10%, it is **22.4180, 41.7655, 11.9079**.

Distribution



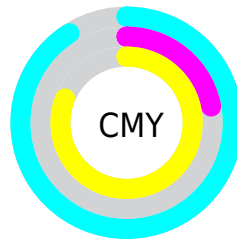
- Red (9%)
- Green (78%)
- Blue (19%)



- Red (9%)
- Yellow (70%)
- Blue (78%)



- Cyan (88%)
- Magenta (0%)
- Yellow (76%)
- Black (22%)





- Cyan (91%)
- Magenta (22%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3336, 41.2544, 9.6348 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 21.3336, 41.2544, 9.6348 by changing the saturation by 10% instead.


 21.3336, 41.2544,
9.6348


 21.3336, 41.2544,
9.6348


251.7444,
351.3828, 198.4345


 13.4819, 28.5179,
5.0551


 45.1292, 77.0699,
25.7033


 7.8405, 18.7164,
2.2203


 61.8038, 100.9178,
38.0291


 4.0440, 11.4656,
0.6861


 82.1501, 129.2382,
53.7741

 1.7271, 6.3809,
0.0000

 106.5335,
162.4156, 73.3567

 0.4731, 3.0780,
0.0000

 135.3192,
200.8343, 97.1955

 0.0000, 1.1726,
0.0000

 168.8727,

 0.0000, 0.0392,

244.8789, 125.7090

0.0000

207.5593,
294.9335, 159.3159

■ 0.0000, 0.0000,
0.0000

■ 21.3336, 41.2544,
9.6348

■ 21.3336, 41.2544,
9.6348

■ 20.7207, 40.9730,
8.1015

■ 22.4180, 41.7655,
11.9079

■ 20.6255, 40.9290,
7.8680

■ 24.0620, 42.5463,
14.9962

■ 26.3308, 43.6304,
18.9684

■ 29.2798, 45.0448,
23.8851

■ 32.9580, 46.8139,
29.8018

■ 37.4103, 48.9595,
36.7693

■ 42.6774, 51.5017,
44.8354

■ 48.7975, 54.4593,
54.0445

■ 55.8063, 57.8496,
64.4390

Harmonies

Analogous

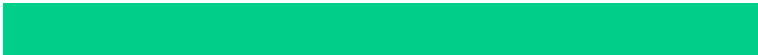
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.6577, 41.2544, 3.3958



21.3336, 41.2544, 9.6348



17.2596, 41.2544, 30.8119

Triad

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



21.3336, 41.2544, 9.6348



33.9133, 41.2544, 183.3948



73.1207, 41.2544, 23.2688

Complementary

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



21.3336, 41.2544, 9.6348



31.6185, 15.8910, 41.9577

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.



74.6362, 41.2544, 62.7840



21.3336, 41.2544, 9.6348



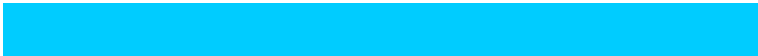
49.2236, 41.2544, 176.2222

Square

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



21.3336, 41.2544, 9.6348



23.1941, 41.2544, 139.5311



65.0220, 41.2544, 123.6277



61.2930, 41.2544, 7.1092

Rectangle

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



21.3336, 41.2544, 9.6348



17.1426, 41.2544, 58.7601



65.0220, 41.2544, 123.6277



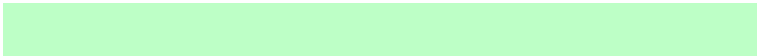
74.9478, 41.2544, 33.4424

Sweetspot

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



21.3346, 41.2561, 9.6357



66.8412, 86.3682, 66.4495



38.4190, 50.1061, 8.5108



13.6696, 18.1791, 13.2367



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.



21.3346, 41.2561, 9.6357



36.0630, 71.6412, 13.5158



25.1626, 42.7873, 29.7938



10.5557, 11.9112, 11.6107



13.2813, 26.3249, 5.1599



0.6487, 1.2544, 0.3486

Inverse Universe

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



31.6185, 15.8910, 41.9577



54.1612, 26.4285, 69.9723



25.6492, 13.5033, 10.5238



11.0181, 10.7906, 13.0786



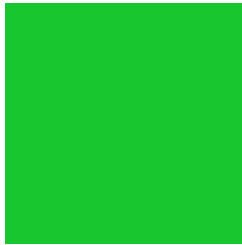
19.9392, 9.7252, 25.9532



0.9619, 0.4676, 1.3223

Previews

White Background



This preview shows how the XYZ color 21.3336, 41.2544, 9.6348 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 21.3336, 41.2544, 9.6348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

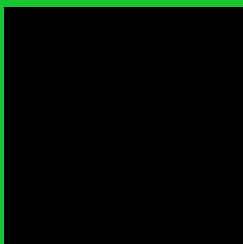
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.3336, 41.2544, 9.6348

Background



This preview shows how black text looks on a background with the XYZ color 21.3336, 41.2544, 9.6348.



This preview shows how white text looks on a background with the XYZ color 21.3336, 41.2544,

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

21.3336, 41.2544, 9.6348

Protanopia

36.7014, 40.4924, 7.9793

Deuteranopia

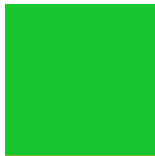
41.2581, 40.3457, 10.3156



Tritanopia

31.8478, 41.2662, 61.5449

Trichromacy



Original Color

21.3336, 41.2544, 9.6348



Protanomaly

26.3386, 38.0549, 8.3400



Deuteranomaly

27.5953, 36.8947, 9.6700



Tritanomaly

25.7915, 40.3627, 33.2195

Monochromacy



Original Color

21.3336, 41.2544, 9.6348



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.1702, 26.2554, 16.1667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3336, 41.2544, 9.6348 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(24, 199, 48)` looks like.

```
.text, #text, p{  
    color:rgb(24, 199, 48)  
}
```

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(24, 199, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 199, 48) }
```

Border

The CSS property to change the border of an element to XYZ 21.3336, 41.2544, 9.6348 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(24, 199, 48) }
```


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

```
.border{ border-color:rgb(24, 199, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 199, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 199, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 199, 48);  
box-shadow:4px 4px 4px 4px rgb(24, 199,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3336, 41.2544, 9.6348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 199, 48) }
```

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

```
.background{ background-color: rgb(24, 199,  
48) }
```

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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