

Converting Colors

XYZ(21.4800, 41.6631, 7.1439)

Have a look what the booklet for
XYZ(21.4800, 41.6631, 7.1439)
contains.

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Color

**XYZ(21.5348, 41.7574,
7.1547)**

Conversions

Conversions Part 1

Format	Color
Hex	27C808
RGB	39, 200, 8
RGB Percent	15%, 78%, 3%
CMY	0.8471, 0.2157, 0.9685
CMYK	0.81, 0.00, 0.96, 0.22
HSL	110°, 92%, 41%
HSV	110°, 96%, 78%
XYZ	21.5348, 41.7574, 7.1547
YIQ	129.9730, -34.3240, -93.8440

Conversions

Conversions Part 2

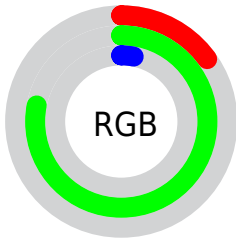
Format	Color
RYB	8, 200, 169
Decimal	2607112
CIELab	70.70, -68.91, 68.78
CIELCh	71, 97.360, 135.051
Yxy	41.7574, 0.3057, 0.5928
Android (android.graphics.Color)	4280797192 (0xFF27C808)
YUV	129.9730, -60.1327, -79.7833
Hunter-Lab	64.6200, -53.5993, 38.6694

Details


The XYZ color **21.5348, 41.7574, 7.1547** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **26.8805, 12.7823, 55.6963**, and the grayscale version is **21.4251, 22.5409, 24.5470**.

A 20% lighter version of the original color is **44.3916, 75.7894, 20.4728**, and **9.9733, 19.9465, 3.3244** is the 20% darker color. If you saturate the color by 10%, you get **21.2593, 41.6217, 6.9133**, and if you desaturate by 10%, it is **22.4832, 42.2284, 8.0659**.

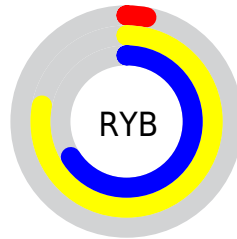
Distribution



 Red (15%)

 Green (78%)

 Blue (3%)




 Red (3%)

 Yellow (78%)

 Blue (66%)

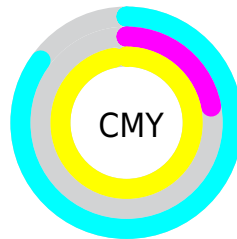



 Cyan (81%)


 Magenta (0%)

 Yellow (96%)

 Black (22%)



 Cyan (85%)

 Magenta (22%)

 Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5348, 41.7574, 7.1547 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 21.5348, 41.7574, 7.1547 by changing the saturation by 10% instead.

■ 21.5348, 41.7574,
7.1547

■ 21.5348, 41.7574,
7.1547

252.7854,
353.4763, 178.6224

■ 13.6302, 28.9114,
3.4791

■ 45.4605, 77.8323,
20.8019

■ 7.9439, 19.0138,
1.3442

■ 62.2123, 101.8300,
31.6106

■ 4.1106, 11.6802,
0.0976

■ 82.6438, 130.3137,
45.6341

■ 1.7649, 6.5263,
0.0000

■ 107.1205,
163.6678, 63.2910

■ 0.4964, 3.1677,
0.0000

■ 136.0076,
202.2768, 84.9997

■ 0.0000, 1.2199,
0.0000

■ 169.6706,

■ 0.0000, 0.0779,

246.5249, 111.1788

0.0000

208.4748,
296.7966, 142.2469

■ 0.0000, 0.0000,
0.0000

■ 21.5348, 41.7574,
7.1547

■ 21.5348, 41.7574,
7.1547

■ 21.2593, 41.6217,
6.9133

■ 22.4832, 42.2284,
8.0659

■ 23.9025, 42.9226,
9.8239

■ 25.8498, 43.8676,
12.5774

■ 28.3724, 45.0850,
16.4446

■ 31.5124, 46.5945,
21.5268

■ 35.3075, 48.4135,
27.9143

■ 39.7925, 50.5582,
35.6887

■ 44.9999, 53.0437,
44.9248

■ 50.9597, 55.8839,
55.6922

Harmonies

Analogous

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



32.1667, 41.7574, 2.3228



21.5348, 41.7574, 7.1547



16.6304, 41.7574, 26.1854

Triad

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



21.5348, 41.7574, 7.1547



32.2134, 41.7574, 196.6316



77.8118, 41.7574, 26.0793

Complementary

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



21.5348, 41.7574, 7.1547



26.8805, 12.7823, 55.6963

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.



77.8343, 41.7574, 72.4478



21.5348, 41.7574, 7.1547



48.3015, 41.7574, 196.5224

Square

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



21.5348, 41.7574, 7.1547



21.5609, 41.7574, 141.7725



65.9388, 41.7574, 141.5327



65.8838, 41.7574, 7.1220

Rectangle

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



21.5348, 41.7574, 7.1547



16.1154, 41.7574, 53.7455



65.9388, 41.7574, 141.5327



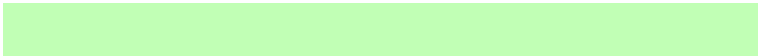
79.2994, 41.7574, 38.0849

Sweetspot

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



21.5358, 41.7591, 7.1556



66.0935, 86.1934, 56.8965



37.8682, 40.3052, 6.0142



13.4344, 18.1083, 10.9455



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.



21.5358, 41.7591, 7.1556



36.6803, 71.9944, 11.9631



21.9258, 41.8301, 13.0520



10.6543, 11.9687, 11.3114



13.5673, 26.4895, 4.3979



0.6939, 1.2808, 0.2107

Inverse Universe

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



26.8805, 12.7823, 55.6963



45.7388, 21.4941, 96.3458



28.3521, 14.2319, 24.5489



10.9086, 10.7267, 13.4130



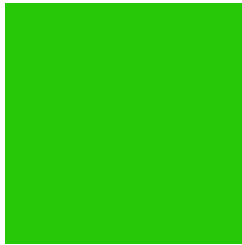
16.9234, 7.9586, 35.3886



0.8475, 0.4007, 1.6778

Previews

White Background



This preview shows how the XYZ color 21.5348, 41.7574, 7.1547 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 21.5348, 41.7574, 7.1547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

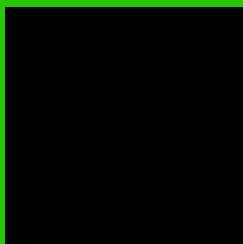
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5348, 41.7574, 7.1547

Background



This preview shows how black text looks on a background with the XYZ color 21.5348, 41.7574, 7.1547.



This preview shows how white text looks on a background with the XYZ color 21.5348, 41.7574,

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

21.5348, 41.7574, 7.1547

Protanopia

36.7448, 40.8425, 5.9467

Deuteranopia

41.8707, 40.9752, 8.0850



Tritanopia

32.4159, 41.5590, 61.5715

Trichromacy



Original Color

21.5348, 41.7574, 7.1547



Protanomaly

27.0609, 38.7808, 6.1453



Deuteranomaly

28.7216, 37.8250, 7.0835



Tritanomaly

25.4000, 40.2780, 27.9084

Monochromacy



Original Color

21.5348, 41.7574, 7.1547



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.3308, 26.6560, 12.9831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5348, 41.7574, 7.1547 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(39, 200, 8)` looks like.

```
.text, #text, p{  
    color:rgb(39, 200, 8)  
}
```

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(39, 200, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 200, 8) }
```

Border

The CSS property to change the border of an element to XYZ 21.5348, 41.7574, 7.1547 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(39, 200, 8) }
```


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

```
.border{ border-color:rgb(39, 200, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 200, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 200, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 200, 8);  
box-shadow:4px 4px 4px 4px rgb(39, 200, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.5348, 41.7574, 7.1547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 200, 8) }
```

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

```
.background{ background-color: rgb(39, 200,  
8) }
```

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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