

Converting Colors

XYZ(20.2840, 40.1915, 3.2657)

Have a look what the booklet for
XYZ(20.2840, 40.1915, 3.2657)
contains.

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Color

**XYZ(20.9211, 40.4247,
6.7001)**

Conversions

Conversions Part 1

Format	Color
Hex	2AC500
RGB	42, 197, 0
RGB Percent	16%, 77%, 0%
CMY	0.8353, 0.2274, 0.9999
CMYK	0.79, 0.00, 1.00, 0.23
HSL	107°, 100%, 39%
HSV	107°, 100%, 77%
XYZ	20.9211, 40.4247, 6.7001
YIQ	128.1970, -29.1430, -94.1270

Conversions

Conversions Part 2

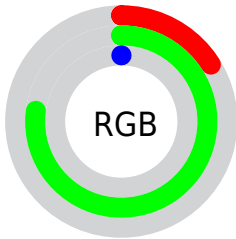
Format	Color
RYB	0, 197, 155
Decimal	2802944
CIELab	69.77, -67.81, 68.92
CIELCh	70, 96.687, 134.534
Yxy	40.4247, 0.3075, 0.5941
Android (android.graphics.Color)	4280993024 (0xFF2AC500)
YUV	128.1970, -63.2011, -75.5948
Hunter-Lab	63.5804, -52.5304, 38.2583

Details

The XYZ color **20.9211, 40.4247, 6.7001** 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 **23.6011, 11.0029, 53.7053**, and the grayscale version is **20.8081, 21.8918, 23.8401**.

A 20% lighter version of the original color is **44.4104, 75.8122, 19.8820**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **20.9212, 40.4260, 6.7003**, and if you desaturate by 10%, it is **21.8070, 40.8683, 7.3880**.

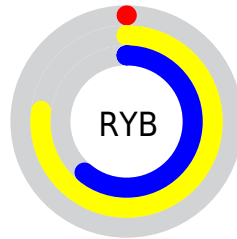
Distribution



Red (16%)

Green (77%)

Blue (0%)



Red (0%)

Yellow (77%)

Blue (61%)

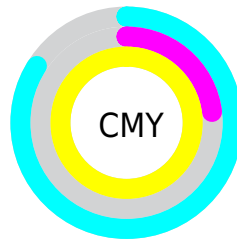


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (84%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9211, 40.4247, 6.7001 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 20.9211, 40.4247, 6.7001 by changing the saturation by 10% instead.


 20.9211, 40.4247,
6.7001


 20.9211, 40.4247,
6.7001


249.5985,
347.9104, 174.6833


 13.1785, 27.8698,
3.1997


 44.4485, 75.8098,
19.8698


 7.6294, 18.2276,
1.1975


 60.9639, 99.4088,
30.3761

 3.9085, 11.1135,
0.0000


 81.1343, 127.4580,
44.0549

 1.6505, 6.1432,
0.0000

 105.3251,
160.3418, 61.3245

 0.4250, 2.9324,
0.0000

 133.9015,
198.4445, 82.6037

 0.0000, 1.0965,
0.0000

 167.2290,

 0.0000, 0.0000,

242.1506, 108.3108

0.0000

205.6729,
291.8444, 138.8645

■ 20.9211, 40.4247,
6.7001

■ 20.9211, 40.4247,
6.7001

■ 20.9212, 40.4260,
6.7003

■ 21.8070, 40.8683,
7.3880

■ 23.0883, 41.5000,
8.7498

■ 24.8323, 42.3507,
11.0201

■ 27.0818, 43.4396,
14.3208

■ 29.8745, 44.7840,
18.7550

■ 33.2441, 46.3994,
24.4133

■ 37.2217, 48.2999,
31.3772

■ 41.8358, 50.4986,
39.7210

■ 47.1133, 53.0080,
49.5136

Harmonies

Analogous

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



31.3428, 40.4247, 2.1776



20.9211, 40.4247, 6.7001



16.0765, 40.4247, 24.7741

Triad

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



20.9211, 40.4247, 6.7001



30.9314, 40.4247, 190.6705



75.6140, 40.4247, 25.7098

Complementary

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



20.9211, 40.4247, 6.7001



23.6011, 11.0029, 53.7053

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.



75.4150, 40.4247, 71.2849



20.9211, 40.4247, 6.7001



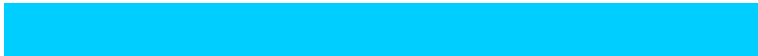
46.4951, 40.4247, 191.6375

Square

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



20.9211, 40.4247, 6.7001



20.6909, 40.4247, 136.5735



63.6795, 40.4247, 138.6958



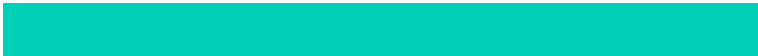
64.1661, 40.4247, 6.9870

Rectangle

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



20.9211, 40.4247, 6.7001



15.5250, 40.4247, 51.1997



63.6795, 40.4247, 138.6958



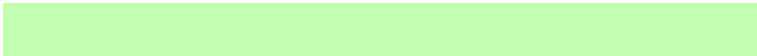
76.9891, 40.4247, 37.5371

Sweetspot

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



20.9220, 40.4264, 6.7010



66.3010, 86.3303, 55.5522



34.6362, 35.0892, 4.9480



13.5140, 18.1549, 10.6951



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.



20.9220, 40.4264, 6.7010



37.2998, 72.3138, 11.9921



20.6771, 40.2181, 10.3932



10.7052, 11.9950, 11.3138



13.8184, 26.6189, 4.4097



0.7171, 1.2928, 0.2117

Inverse Universe

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



23.6011, 11.0029, 53.7053



42.0453, 19.5901, 96.1730



27.8491, 13.8001, 26.4702



10.8533, 10.6982, 13.4104



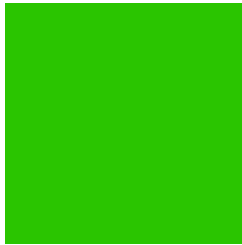
15.5943, 7.2734, 35.3264



0.7953, 0.3737, 1.6754

Previews

White Background



This preview shows how the XYZ color 20.9211, 40.4247, 6.7001 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 20.9211, 40.4247, 6.7001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

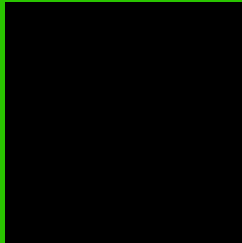
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.9211, 40.4247, 6.7001

Background



This preview shows how black text looks on a background with the XYZ color 20.9211, 40.4247, 6.7001.



This preview shows how white text looks on a background with the XYZ color 20.9211, 40.4247,

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

20.9211, 40.4247, 6.7001

Protanopia

35.6738, 39.4523, 5.7348

Deuteranopia

40.4293, 39.4549, 7.6752



Tritanopia

31.4409, 40.1683, 59.5222

Trichromacy



Original Color

20.9211, 40.4247, 6.7001



Protanomaly

26.4366, 37.5586, 5.8562



Deuteranomaly

27.9039, 36.5456, 6.6202



Tritanomaly

24.4968, 38.8893, 25.9539

Monochromacy



Original Color

20.9211, 40.4247, 6.7001



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

17.8062, 25.9179, 11.8488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9211, 40.4247, 6.7001 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(42, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 197, 0)  
}
```

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(42, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 197, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.9211, 40.4247, 6.7001 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(42, 197, 0) }
```


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

```
.border{ border-color:rgb(42, 197, 0) }
```

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

Here you see how a box with a 4 pixel rgb(42, 197, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 197, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.9211, 40.4247, 6.7001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 197, 0) }
```

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

```
.background{ background-color: rgb(42, 197,  
0) }
```

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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