

Converting Colors

XYZ(20.9216, 40.7632, 6.7654)

Have a look what the booklet for
XYZ(20.9216, 40.7632, 6.7654)
contains.

XYZ(20.9216, 40.7632, 6.7654)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.9216, 40.7632,
6.7654)**

Conversions

Conversions Part 1

Format	Color
Hex	24C600
RGB	36, 198, 0
RGB Percent	14%, 78%, 0%
CMY	0.8588, 0.2235, 0.9999
CMYK	0.82, 0.00, 1.00, 0.22
HSL	109°, 100%, 39%
HSV	109°, 100%, 78%
XYZ	20.9216, 40.7632, 6.7654
YIQ	126.9900, -32.9940, -95.9220

Conversions

Conversions Part 2

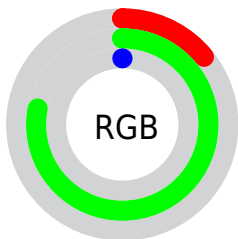
Format	Color
RYB	0, 198, 162
Decimal	2409984
CIELab	70.01, -68.84, 69.08
CIELCh	70, 97.520, 134.900
Yxy	40.7632, 0.3056, 0.5955
Android (android.graphics.Color)	4280600064 (0xFF24C600)
YUV	126.9900, -62.6061, -79.7982
Hunter-Lab	63.8461, -53.2383, 38.4096

Details

The XYZ color **20.9216, 40.7632, 6.7654** 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 **25.0994, 11.7620, 54.3757**, and the grayscale version is **20.3875, 21.4492, 23.3582**.

A 20% lighter version of the original color is **44.1474, 75.6766, 19.8697**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **20.9218, 40.7645, 6.7657**, and if you desaturate by 10%, it is **21.7462, 41.1751, 7.4550**.

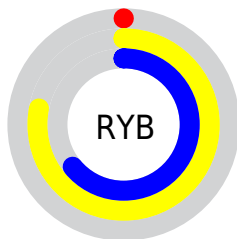
Distribution



Red (14%)

Green (78%)

Blue (0%)



Red (0%)

Yellow (78%)

Blue (64%)

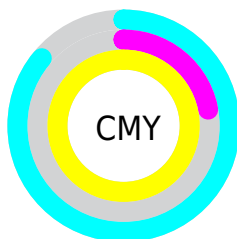


Cyan (82%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (86%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9216, 40.7632, 6.7654 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 20.9216, 40.7632, 6.7654 by changing the saturation by 10% instead.


 20.9216, 40.7632,
6.7654


 20.9216, 40.7632,
6.7654


249.6012,
349.3299, 175.2562


 13.1788, 28.1341,
3.2396


 44.4493, 76.3243,
20.0044


 7.6297, 18.4268,
1.2182

 60.9649, 100.0251,
30.5548


 3.9087, 11.2568,
0.0000


 81.1355, 128.1852,
44.2837

 1.6506, 6.2398,
0.0000

 105.3265,
161.1891, 61.6098

 0.4251, 2.9915,
0.0000

 133.9032,
199.4211, 82.9515

 0.0000, 1.1273,
0.0000

 167.2310,

 0.0000, 0.0011,

243.2657, 108.7275

0.0000

205.6752,
293.1071, 139.3562

■ 0.0000, 0.0000,
0.0000

■ 20.9216, 40.7632,
6.7654

■ 20.9216, 40.7632,
6.7654

■ 20.9218, 40.7645,
6.7657

■ 21.7462, 41.1751,
7.4550

■ 22.9837, 41.7840,
8.8277

■ 24.7060, 42.6229,
11.1203

■ 26.9597, 43.7132,
14.4564

■ 29.7857, 45.0737,
18.9406

■ 33.2206, 46.7214,
24.6647

■ 37.2980, 48.6716,
31.7112

■ 42.0488, 50.9388,
40.1558

■ 47.5022, 53.5363,
50.0681

Harmonies

Analogous

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



31.4022, 40.7632, 2.1493



20.9216, 40.7632, 6.7654



16.0873, 40.7632, 25.2580

Triad

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



20.9216, 40.7632, 6.7654



31.3126, 40.7632, 193.9606



76.4383, 40.7632, 25.4614

Complementary

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



20.9216, 40.7632, 6.7654



25.0994, 11.7620, 54.3757

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.



76.3948, 40.7632, 71.3260



20.9216, 40.7632, 6.7654



47.1497, 40.7632, 194.1722

Square

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



20.9216, 40.7632, 6.7654



20.8716, 40.7632, 139.3239



64.5814, 40.7632, 139.7879



64.6875, 40.7632, 6.8273

Rectangle

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



20.9216, 40.7632, 6.7654



15.5676, 40.7632, 52.2916



64.5814, 40.7632, 139.7879



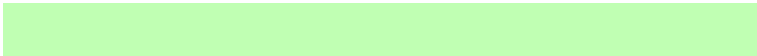
77.8887, 40.7632, 37.3171

Sweetspot

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



20.9225, 40.7649, 6.7663



65.6862, 86.0134, 55.5234



36.1585, 37.7438, 5.3802



13.3726, 18.0820, 10.6884



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.



20.9225, 40.7649, 6.7663



36.9020, 72.1087, 11.9734



21.0845, 40.7457, 11.4146



10.6743, 11.9790, 11.3123



13.6582, 26.5363, 4.4022



0.7030, 1.2855, 0.2111

Inverse Universe

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



25.0994, 11.7620, 54.3757



44.2488, 20.7260, 96.2761



27.6849, 13.7647, 24.2338



10.8868, 10.7154, 13.4120



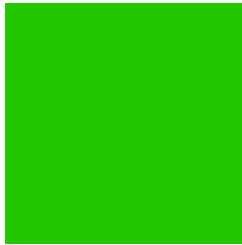
16.3877, 7.6824, 35.3635



0.8266, 0.3899, 1.6768

Previews

White Background



This preview shows how the XYZ color 20.9216, 40.7632, 6.7654 looks on a white background.

Color Contrast Check

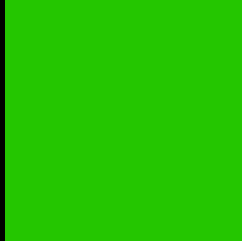
Large Text (above 18pt) WCAG AA × Fail

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 20.9216, 40.7632, 6.7654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

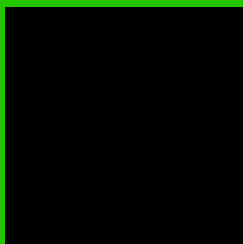
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.9216, 40.7632, 6.7654

Background



This preview shows how black text looks on a background with the XYZ color 20.9216, 40.7632, 6.7654.



This preview shows how white text looks on a background with the XYZ color 20.9216, 40.7632,

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

20.9216, 40.7632, 6.7654

Protanopia

35.8606, 39.8258, 5.7971

Deuteranopia

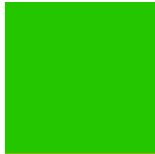
40.6215, 39.8103, 7.8287



Tritanopia

31.5691, 40.5283, 60.1917

Trichromacy



Original Color

20.9216, 40.7632, 6.7654



Protanomaly

26.3129, 37.7934, 5.9080



Deuteranomaly

27.7283, 36.7408, 6.6672



Tritanomaly

24.5541, 39.2296, 26.3566

Monochromacy



Original Color

20.9216, 40.7632, 6.7654



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.4925, 25.7562, 11.8341

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9216, 40.7632, 6.7654 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(36, 198, 0)` looks like.

```
.text, #text, p{  
    color:rgb(36, 198, 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(36, 198, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 198, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.9216, 40.7632, 6.7654 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(36, 198, 0) }
```


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

```
.border{ border-color:rgb(36, 198, 0) }
```

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

Here you see how a box with a 4 pixel rgb(36, 198, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 198, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 198, 0);  
box-shadow:4px 4px 4px 4px rgb(36, 198, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.9216, 40.7632, 6.7654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 198, 0) }
```

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

```
.background{ background-color: rgb(36, 198,  
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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