

Converting Colors

XYZ(21.4079, 39.0189, 6.4047)

Have a look what the booklet for
XYZ(21.4079, 39.0189, 6.4047)
contains.

XYZ(21.3754, 39.0014, 6.4014)	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(21.3754, 39.0014,
6.4014)**

Conversions

Conversions Part 1

Format	Color
Hex	46C000
RGB	70, 192, 0
RGB Percent	27%, 75%, 0%
CMY	0.7255, 0.2470, 0.9999
CMYK	0.64, 0.00, 1.00, 0.25
HSL	98°, 100%, 38%
HSV	98°, 100%, 75%
XYZ	21.3754, 39.0014, 6.4014
YIQ	133.6340, -11.0800, -85.5760

Conversions

Conversions Part 2

Format	Color
RYB	0, 192, 122
Decimal	4636672
CIELab	68.75, -61.25, 68.36
CIELCh	69, 91.783, 131.861
Yxy	39.0014, 0.3201, 0.5840
Android (android.graphics.Color)	4282826752 (0xFF46C000)
YUV	133.6340, -65.8816, -55.8070
Hunter-Lab	62.4511, -48.1935, 37.6384

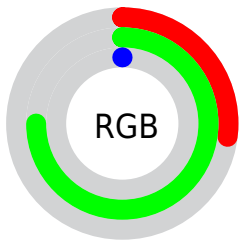
Details

The XYZ color **21.3754, 39.0014, 6.4014** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed green. A complement of this color would be **17.5446, 7.9458, 50.4804**, and the grayscale version is **22.7642, 23.9497, 26.0813**.

A 20% lighter version of the original color is **45.1185, 73.3842, 19.1837**, and **8.9457, 17.8913, 2.9819** is the 20% darker color. If you saturate the color by 10%, you get **21.3753, 39.0025, 6.4017**, and if you desaturate by 10%, it is **22.4671, 39.5516, 7.0761**.

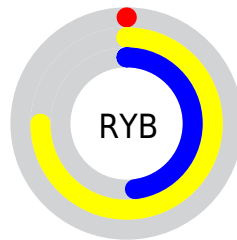
Distribution



Red (27%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (48%)

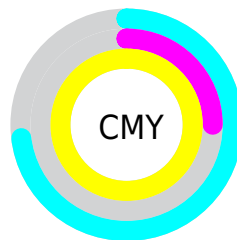


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (73%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3754, 39.0014, 6.4014 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 21.3754, 39.0014, 6.4014 by changing the saturation by 10% instead.


 21.3754, 39.0014,
6.4014


 21.3754, 39.0014,
6.4014


251.9610,
341.8964, 172.0304


 13.5127, 26.7608,
3.0180


 45.1981, 73.6405,
19.2504


 7.8620, 17.3937,
1.1038


 61.8887, 96.8077,
29.5530

 4.0578, 10.5156,
0.0000


 82.2528, 124.3860,
42.9991

 1.7349, 5.7421,
0.0000

 106.6555,
156.7597, 60.0072

 0.4780, 2.6889,
0.0000

 135.4624,
194.3132, 80.9958

 0.0000, 0.9716,
0.0000

 169.0387,

 0.0000, 0.0000,

237.4309, 106.3835

0.0000

207.7498,
286.4972, 136.5889

■ 21.3754, 39.0014,
6.4014

■ 21.3754, 39.0014,
6.4014

■ 21.3753, 39.0025,
6.4017

■ 22.4671, 39.5516,
7.0761

■ 23.8646, 40.2446,
8.3797

■ 25.6205, 41.1039,
10.5361

■ 27.7649, 42.1425,
13.6591

■ 30.3241, 43.3718,
17.8449

■ 33.3218, 44.8022,
23.1782

■ 36.7797, 46.4433,
29.7351

■ 40.7180, 48.3039,
37.5850

■ 45.1555, 50.3923,
46.7923

Harmonies

Analogous

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



31.6181, 39.0014, 2.4290



21.3754, 39.0014, 6.4014



16.3524, 39.0014, 22.1080

Triad

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



21.3754, 39.0014, 6.4014



29.0338, 39.0014, 172.9318



71.6884, 39.0014, 28.0502

Complementary

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



21.3754, 39.0014, 6.4014



17.5446, 7.9458, 50.4804

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.



70.4662, 39.0014, 72.5664



21.3754, 39.0014, 6.4014



43.1144, 39.0014, 178.7799

Square

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



21.3754, 39.0014, 6.4014



19.9113, 39.0014, 121.3766



59.0164, 39.0014, 134.2880



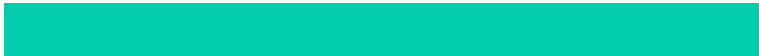
62.0156, 39.0014, 8.3216

Rectangle

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



21.3754, 39.0014, 6.4014



15.5692, 39.0014, 45.1185



59.0164, 39.0014, 134.2880



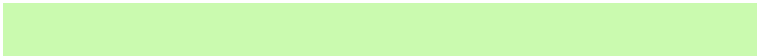
72.5953, 39.0014, 39.9194

Sweetspot

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



21.3763, 39.0030, 6.4023



66.3122, 83.9939, 53.2388



28.6510, 25.0304, 3.3219



13.6364, 17.7399, 10.2886



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.3763, 39.0030, 6.4023



38.4778, 70.5378, 11.5872



19.0329, 37.7740, 7.2430



10.2834, 11.4335, 10.7268



14.4613, 26.2839, 4.3111



0.7008, 1.1748, 0.1898

Inverse Universe

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



17.5446, 7.9458, 50.4804



31.5001, 14.2474, 91.4501



28.6597, 13.9755, 37.4590



10.1298, 10.0581, 12.6923



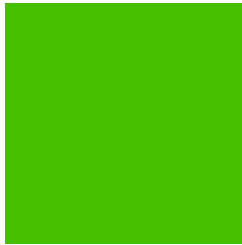
11.8921, 5.3911, 33.9704



0.5873, 0.2708, 1.4712

Previews

White Background



This preview shows how the XYZ color 21.3754, 39.0014, 6.4014 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 21.3754, 39.0014, 6.4014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

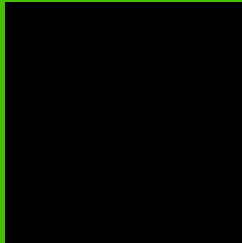
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.3754, 39.0014, 6.4014

Background



This preview shows how black text looks on a background with the XYZ color 21.3754, 39.0014, 6.4014.



This preview shows how white text looks on a background with the XYZ color 21.3754, 39.0014,

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

21.3754, 39.0014, 6.4014

Protanopia

34.5578, 38.3288, 5.5768

Deuteranopia

38.9044, 38.1622, 7.3230



Tritanopia

31.2550, 38.6341, 56.2619

Trichromacy



Original Color

21.3754, 39.0014, 6.4014



Protanomaly

27.2024, 37.0704, 5.7216



Deuteranomaly

28.6507, 36.0887, 6.3755



Tritanomaly

24.9223, 37.5723, 24.6775

Monochromacy



Original Color

21.3754, 39.0014, 6.4014



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

19.9166, 27.4781, 12.8484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3754, 39.0014, 6.4014 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(70, 192, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 192, 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(70, 192, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 192, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.3754, 39.0014, 6.4014 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(70, 192, 0) }
```


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

```
.border{ border-color:rgb(70, 192, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 192, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 192, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 192, 0);  
box-shadow:4px 4px 4px 4px rgb(70, 192, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.3754, 39.0014, 6.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 192, 0) }
```

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

```
.background{ background-color: rgb(70, 192,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor