

Converting Colors

XYZ(21.9503, 39.5801, 20.5188)

Have a look what the booklet for
XYZ(21.9503, 39.5801, 20.5188)
contains.

XYZ(21.9707, 39.6580, 20.4067)	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(21.9707, 39.6580,
20.4067)**

Conversions

Conversions Part 1

Format	Color
Hex	02C26B
RGB	2, 194, 107
RGB Percent	1%, 76%, 42%
CMY	0.9921, 0.2392, 0.5804
CMYK	0.99, 0.00, 0.45, 0.24
HSL	153°, 98%, 38%
HSV	153°, 99%, 76%
XYZ	21.9707, 39.6580, 20.4067
YIQ	126.6740, -86.5050, -67.7610

Conversions

Conversions Part 2

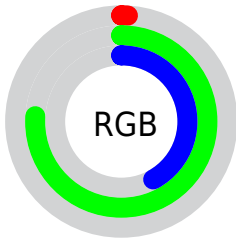
Format	Color
RYB	2, 126, 194
Decimal	180843
CIELab	69.23, -60.49, 32.49
CIELCh	69, 68.662, 151.763
Yxy	39.6580, 0.2678, 0.4834
Android (android.graphics.Color)	4278370923 (0xFF02C26B)
YUV	126.6740, -9.6993, -109.3391
Hunter-Lab	62.9746, -47.9301, 24.8695

Details

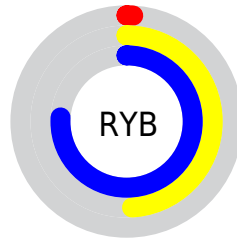
The XYZ color **21.9707, 39.6580, 20.4067** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **24.0747, 12.2351, 10.5476**, and the grayscale version is **20.1166, 21.1642, 23.0479**.

A 20% lighter version of the original color is **46.2140, 74.7767, 44.7985**, and **9.9963, 18.7707, 7.0992** is the 20% darker color. If you saturate the color by 10%, you get **21.8986, 39.6275, 20.1546**, and if you desaturate by 10%, it is **22.7511, 40.0052, 22.9829**.

Distribution



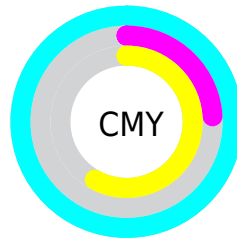
- Red (1%)
- Green (76%)
- Blue (42%)



- Red (1%)
- Yellow (49%)
- Blue (76%)



- Cyan (99%)
- Magenta (0%)
- Yellow (45%)
- Black (24%)





- Cyan (99%)
- Magenta (24%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.9707, 39.6580, 20.4067 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 21.9707, 39.6580, 20.4067 by changing the saturation by 10% instead.


 21.9707, 39.6580,
20.4067


 21.9707, 39.6580,
20.4067


255.0285,
344.6800, 266.7851


 13.9519, 27.2720,
12.5040


 46.1768, 74.6424,
44.9659


 8.1687, 17.7776,
6.9612


 63.0947, 98.0097,
62.4595


 4.2558, 10.7904,
3.3598


 83.7097, 125.8061,
83.9871

 1.8478, 5.9261,
1.2811

 108.3872,
158.4161, 109.9674

 0.5462, 2.8002,
0.0463

 137.4924,
196.2241, 140.8188

 0.0000, 1.0283,
0.0000

171.3908,

 0.0000, 0.0000,

239.6145, 176.9598

0.0000

210.4477,
288.9717, 218.8091

■ 21.9707, 39.6580,
20.4067

■ 21.9707, 39.6580,
20.4067

■ 21.8986, 39.6275,
20.1546

■ 22.7511, 40.0052,
22.9829

■ 23.8749, 40.5227,
25.8267

■ 25.4288, 41.2563,
28.9500

■ 27.4637, 42.2319,
32.3615

■ 30.0226, 43.4717,
36.0695

■ 33.1440, 44.9952,
40.0817

■ 36.8622, 46.8202,
44.4057

■ 41.2090, 48.9628,
49.0485

■ 46.2135, 51.4379,
54.0171

Harmonies

Analogous

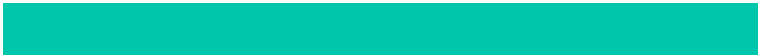
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.6262, 39.6580, 9.4537



21.9707, 39.6580, 20.4067



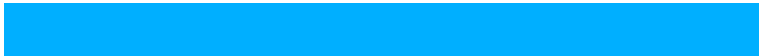
20.2686, 39.6580, 45.0703

Triad

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



21.9707, 39.6580, 20.4067



38.3478, 39.6580, 136.3434



58.6716, 39.6580, 18.5113

Complementary

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



21.9707, 39.6580, 20.4067



24.0747, 12.2351, 10.5476

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.



63.0127, 39.6580, 41.3449



21.9707, 39.6580, 20.4067



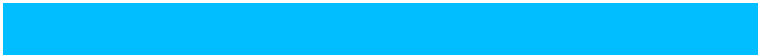
49.9507, 39.6580, 117.8030

Square

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



21.9707, 39.6580, 20.4067



28.5521, 39.6580, 121.4771



59.5494, 39.6580, 78.6178



48.6040, 39.6580, 8.7931

Rectangle

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



21.9707, 39.6580, 20.4067



21.2743, 39.6580, 69.7377



59.5494, 39.6580, 78.6178



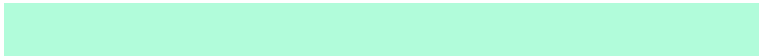
60.9282, 39.6580, 24.4009

Sweetspot

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



21.9717, 39.6596, 20.4076



65.6904, 84.2862, 79.2255



23.6783, 40.8447, 6.6937



13.7372, 18.1394, 16.6045



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.



21.9717, 39.6596, 20.4076



39.5429, 71.7402, 35.8268



27.6619, 39.7055, 57.2468



10.1697, 11.3489, 11.8968



14.4390, 26.0697, 13.4709



0.6583, 1.1402, 0.7631

Inverse Universe

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



24.0747, 12.2351, 10.5476



43.3682, 22.0036, 18.0006



22.3513, 11.6569, 1.1298



10.2587, 10.1521, 11.4529



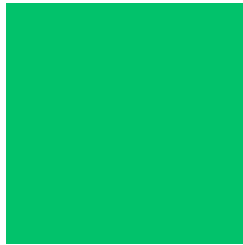
15.8235, 8.0191, 6.9825



0.7184, 0.3604, 0.4845

Previews

White Background



This preview shows how the XYZ color 21.9707, 39.6580, 20.4067 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 21.9707, 39.6580, 20.4067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

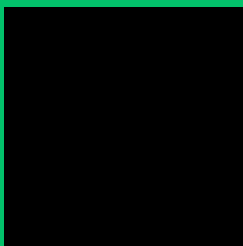
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

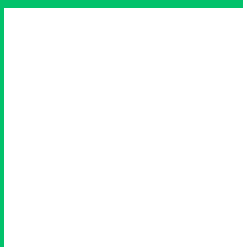
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9707, 39.6580, 20.4067

Background



This preview shows how black text looks on a background with the XYZ color 21.9707, 39.6580, 20.4067.



This preview shows how white text looks on a background with the XYZ color 21.9707, 39.6580,

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

21.9707, 39.6580, 20.4067

Protanopia

35.9275, 39.0587, 16.9548

Deuteranopia

39.4847, 38.6588, 21.6005



Tritanopia

30.0060, 39.7359, 59.5144

Trichromacy



Original Color

21.9707, 39.6580, 20.4067



Protanomaly

25.5423, 36.2354, 17.9598



Deuteranomaly

26.5792, 35.2641, 20.7350



Tritanomaly

25.9470, 39.2874, 41.8130

Monochromacy



Original Color

21.9707, 39.6580, 20.4067



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.9364, 25.2831, 21.7041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9707, 39.6580, 20.4067 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(2, 194, 107)` looks like.

```
.text, #text, p{  
    color:rgb(2, 194, 107)  
}
```

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(2, 194, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 194, 107) }
```

Border

The CSS property to change the border of an element to XYZ 21.9707, 39.6580, 20.4067 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(2, 194, 107) }
```


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

```
.border{ border-color:rgb(2, 194, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 194, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 194, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 194, 107);  
box-shadow:4px 4px 4px 4px rgb(2, 194,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9707, 39.6580, 20.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 194, 107) }
```

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

```
.background{ background-color: rgb(2, 194,  
107) }
```

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