

Converting Colors

XYZ(21.9861, 39.3641, 17.4107)

Have a look what the booklet for
XYZ(21.9861, 39.3641, 17.4107)
contains.

XYZ(22.0180, 39.4158, 17.5139)	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(22.0180, 39.4158,
17.5139)**

Conversions

Conversions Part 1

Format	Color
Hex	27C160
RGB	39, 193, 96
RGB Percent	15%, 76%, 38%
CMY	0.8470, 0.2431, 0.6235
CMYK	0.80, 0.00, 0.50, 0.24
HSL	142°, 66%, 45%
HSV	142°, 80%, 76%
XYZ	22.0180, 39.4158, 17.5139
YIQ	135.8960, -60.6470, -62.8150

Conversions

Conversions Part 2

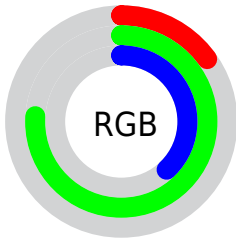
Format	Color
RYB	39, 151, 193
Decimal	2605408
CIELab	69.05, -59.52, 37.87
CIELCh	69, 70.549, 147.533
Yxy	39.4158, 0.2789, 0.4993
Android (android.graphics.Color)	4280795488 (0xFF27C160)
YUV	135.8960, -19.6687, -84.9778
Hunter-Lab	62.7820, -47.2676, 27.4076

Details

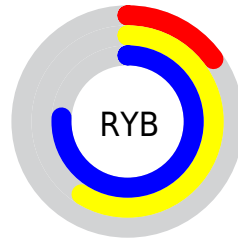
The XYZ color **22.0180, 39.4158, 17.5139** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **27.1630, 14.5668, 24.6739**, and the grayscale version is **23.4513, 24.6726, 26.8685**.

A 20% lighter version of the original color is **46.3980, 74.5120, 39.9538**, and **9.5816, 18.3742, 5.6263** is the 20% darker color. If you saturate the color by 10%, you get **20.9474, 38.9247, 14.7651**, and if you desaturate by 10%, it is **23.5486, 40.1362, 20.7378**.

Distribution



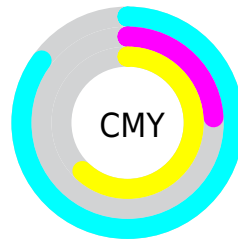
- Red (15%)
- Green (76%)
- Blue (38%)



- Red (15%)
- Yellow (59%)
- Blue (76%)



- Cyan (80%)
- Magenta (0%)
- Yellow (50%)
- Black (24%)



- Cyan (85%)
- Magenta (24%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0180, 39.4158, 17.5139 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 22.0180, 39.4158, 17.5139 by changing the saturation by 10% instead.

■ 22.0180, 39.4158,
17.5139

■ 22.0180, 39.4158,
17.5139

255.2709,
343.6551, 250.2601

■ 13.9868, 27.0833,
10.4357

■ 46.2544, 74.2731,
40.0099

■ 8.1931, 17.6358,
5.5795

■ 63.1903, 97.5667,
56.2649

■ 4.2716, 10.6889,
2.5265

■ 83.8251, 125.2829,
76.4159

■ 1.8569, 5.8580,
0.8541

■ 108.5242,
157.8059, 100.8815

■ 0.5516, 2.7589,
0.0000

■ 137.6530,
195.5203, 130.0801

■ 0.0000, 1.0072,
0.0000

171.5768,

■ 0.0000, 0.0000,

238.8103, 164.4304

0.0000

210.6610,
288.0604, 204.3509

■ 22.0180, 39.4158,
17.5139

■ 22.0180, 39.4158,
17.5139

■ 20.9474, 38.9247,
14.7651

■ 23.5486, 40.1362,
20.7378

■ 20.2353, 38.6079,
12.4634


■ 25.5896, 41.1082,
24.4561


■ 20.2221, 38.6020,
12.4200


■ 28.1876, 42.3565,
28.6899

■ 31.3827, 43.9014,
33.4584

■ 35.2114, 45.7613,
38.7798

 39.7070, 47.9532,
44.6713

 44.9005, 50.4925,
51.1494

 50.8209, 53.3940,
58.2299

 57.4955, 56.6714,
65.9280

Harmonies

Analogous

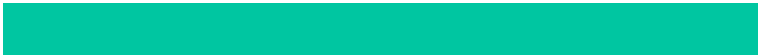
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.3286, 39.4158, 8.0905



22.0180, 39.4158, 17.5139



19.7433, 39.4158, 40.3057

Triad

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



22.0180, 39.4158, 17.5139



36.5402, 39.4158, 139.3131



60.1014, 39.4158, 20.1795

Complementary

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



22.0180, 39.4158, 17.5139



27.1630, 14.5668, 24.6739

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.



63.4927, 39.4158, 45.6390



22.0180, 39.4158, 17.5139



48.3773, 39.4158, 124.6090

Square

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



22.0180, 39.4158, 17.5139



27.0112, 39.4158, 119.2610



58.8346, 39.4158, 85.4955



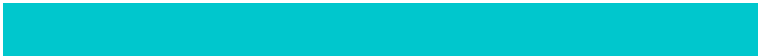
50.3147, 39.4158, 8.9991

Rectangle

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



22.0180, 39.4158, 17.5139



20.3928, 39.4158, 64.4127



58.8346, 39.4158, 85.4955



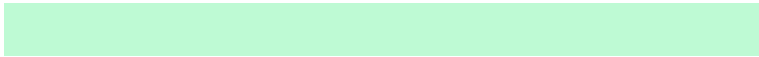
62.1032, 39.4158, 26.8305

Sweetspot

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



22.0190, 39.4174, 17.5148



67.2699, 84.0061, 75.0379



29.6777, 43.5672, 8.7649



13.8243, 17.7261, 15.2961



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.



22.0190, 39.4174, 17.5148



36.5218, 69.2704, 23.1977



27.3992, 41.5695, 45.8464



10.0951, 11.3191, 11.5043



13.4852, 25.6881, 8.4482



0.6161, 1.1233, 0.5409

Inverse Universe

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



27.1630, 14.5668, 24.6739



45.9393, 23.0994, 35.8041



23.5222, 13.1105, 5.5018



10.3340, 10.1822, 11.8496



16.9857, 8.4840, 13.1029



0.7663, 0.3795, 0.7365

Previews

White Background



This preview shows how the XYZ color 22.0180, 39.4158, 17.5139 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 22.0180, 39.4158, 17.5139 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 22.0180, 39.4158, 17.5139

Background



This preview shows how black text looks on a background with the XYZ color 22.0180, 39.4158, 17.5139.



This preview shows how white text looks on a background with the XYZ color 22.0180, 39.4158,

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

22.0180, 39.4158, 17.5139

Protanopia

35.3062, 38.5159, 14.5903

Deuteranopia

39.4266, 38.6976, 18.4881



Tritanopia

30.2857, 39.2810, 58.8091

Trichromacy



Original Color

22.0180, 39.4158, 17.5139



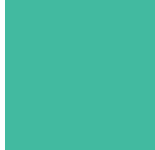
Protanomaly

26.7309, 36.6141, 15.3312



Deuteranomaly

28.4292, 36.2843, 17.8171



Tritanomaly

26.1508, 38.8141, 39.3713

Monochromacy



Original Color

22.0180, 39.4158, 17.5139



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

20.8750, 28.2611, 22.4439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0180, 39.4158, 17.5139 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, 193, 96)` looks like.

```
.text, #text, p{  
    color:rgb(39, 193, 96)  
}
```

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, 193, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 193, 96) }
```

Border

The CSS property to change the border of an element to XYZ 22.0180, 39.4158, 17.5139 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, 193, 96) }
```


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

```
.border{ border-color:rgb(39, 193, 96) }
```

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

Here you see how a box with a 4 pixel rgb(39, 193, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 193, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 193, 96);  
box-shadow:4px 4px 4px 4px rgb(39, 193,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0180, 39.4158, 17.5139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 193, 96) }
```

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

```
.background{ background-color: rgb(39, 193,  
96) }
```

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