

Converting Colors

XYZ(22.4092, 40.6628, 11.5903)

Have a look what the booklet for
XYZ(22.4092, 40.6628, 11.5903)
contains.

XYZ(22.4690, 40.7798, 11.5375)	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(22.4690, 40.7798,
11.5375)**

Conversions

Conversions Part 1

Format	Color
Hex	3BC440
RGB	59, 196, 64
RGB Percent	23%, 77%, 25%
CMY	0.7686, 0.2314, 0.7490
CMYK	0.70, 0.00, 0.67, 0.23
HSL	122°, 54%, 50%
HSV	122°, 70%, 77%
XYZ	22.4690, 40.7798, 11.5375
YIQ	139.9890, -39.2800, -70.0960

Conversions

Conversions Part 2

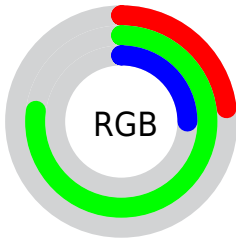
Format	Color
RYB	59, 191, 196
Decimal	3916864
CIELab	70.02, -61.62, 53.67
CIELCh	70, 81.717, 138.944
Yxy	40.7798, 0.3004, 0.5453
Android (android.graphics.Color)	4282106944 (0xFF3BC440)
YUV	139.9890, -37.4626, -71.0274
Hunter-Lab	63.8591, -48.9476, 33.9893

Details

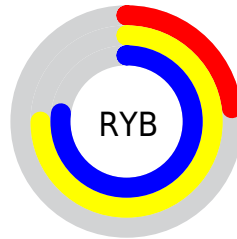
The XYZ color **22.4690, 40.7798, 11.5375** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **33.7340, 18.6260, 51.1080**, and the grayscale version is **25.0759, 26.3818, 28.7298**.

A 20% lighter version of the original color is **47.0240, 76.4767, 29.4226**, and **9.5249, 19.0498, 3.1750** is the 20% darker color. If you saturate the color by 10%, you get **21.0686, 40.1110, 9.1265**, and if you desaturate by 10%, it is **24.4892, 41.7495, 14.9288**.

Distribution



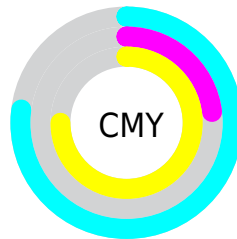
- Red (23%)
- Green (77%)
- Blue (25%)



- Red (23%)
- Yellow (75%)
- Blue (77%)



- Cyan (70%)
- Magenta (0%)
- Yellow (67%)
- Black (23%)



- Cyan (77%)
- Magenta (23%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4690, 40.7798, 11.5375 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 22.4690, 40.7798, 11.5375 by changing the saturation by 10% instead.

■ 22.4690, 40.7798,
11.5375

■ 22.4690, 40.7798,
11.5375

257.5724,
349.3995, 212.1870

■ 14.3204, 28.1471,
6.3109

■ 46.9930, 76.3495,
29.3016

■ 8.4271, 18.4365,
2.9632

■ 64.0992, 100.0553,
42.6762

■ 4.4235, 11.2639,
1.0759

■ 84.9220, 128.2208,
59.6038

■ 1.9444, 6.2446,
0.0000

■ 109.8268,
161.2306, 80.5031

■ 0.6024, 2.9944,
0.0000

■ 139.1788,
199.4689, 105.7925

■ 0.0000, 1.1288,
0.0000

173.3436,

■ 0.0000, 0.0024,

243.3203, 135.8906

0.0000

212.6863,
293.1690, 171.2159

■ 0.0000, 0.0000,
0.0000

■ 22.4690, 40.7798,
11.5375

■ 22.4690, 40.7798,
11.5375

■ 21.0686, 40.1110,
9.1265

■ 24.4892, 41.7495,
14.9288

■ 20.2143, 39.7037,
7.5893

■ 27.1866, 43.0442,
19.3870

■ 19.7835, 39.4988,
6.7924

■ 30.6154, 44.6913,
24.9921

■ 19.7799, 39.4971,
6.7867

■ 34.8234, 46.7139,
31.8158

■ 39.8544, 49.1332,
39.9241

■ 45.7490, 51.9689,
49.3780

■ 52.5450, 55.2391,
60.2348

■ 60.2781, 58.9611,
72.5485

■ 68.9819, 63.1511,
86.3700

Harmonies

Analogous

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



31.0213, 40.7798, 4.8758



22.4690, 40.7798, 11.5375



18.6565, 40.7798, 31.7625

Triad

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



22.4690, 40.7798, 11.5375



34.0503, 40.7798, 162.4070



68.4029, 40.7798, 24.5831

Complementary

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



22.4690, 40.7798, 11.5375



33.7340, 18.6260, 51.1080

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.



69.7440, 40.7798, 60.0163



22.4690, 40.7798, 11.5375



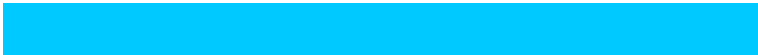
47.6892, 40.7798, 156.2821

Square

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



22.4690, 40.7798, 11.5375



24.2471, 40.7798, 125.9254



61.4741, 40.7798, 112.1559



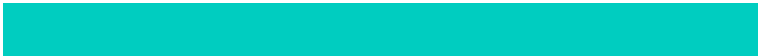
58.1457, 40.7798, 8.8677

Rectangle

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



22.4690, 40.7798, 11.5375



18.5560, 40.7798, 56.8183



61.4741, 40.7798, 112.1559



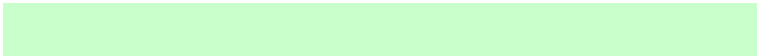
69.9870, 40.7798, 33.9411

Sweetspot

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



22.4700, 40.7815, 11.5384



70.7964, 88.3311, 70.0717



42.1260, 50.9303, 11.7481



14.5865, 18.6339, 14.0856



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.



22.4700, 40.7815, 11.5384



37.2129, 72.2059, 14.8398



25.7140, 42.0791, 28.6215



9.9590, 11.2647, 10.7875



12.7159, 25.3804, 4.3972



0.5547, 1.0987, 0.2176

Inverse Universe

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



33.7340, 18.6260, 51.1080



58.8422, 29.5585, 90.7445



27.9010, 16.2928, 20.3921



10.4809, 10.2410, 12.6229



20.5258, 9.9001, 31.7444



0.8919, 0.4298, 1.3981

Previews

White Background



This preview shows how the XYZ color 22.4690, 40.7798, 11.5375 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 22.4690, 40.7798, 11.5375 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 22.4690, 40.7798, 11.5375

Background



This preview shows how black text looks on a background with the XYZ color 22.4690, 40.7798, 11.5375.



This preview shows how white text looks on a background with the XYZ color 22.4690, 40.7798,

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

22.4690, 40.7798, 11.5375

Protanopia

36.3484, 39.9920, 9.6744

Deuteranopia

40.5932, 39.6994, 12.1799



Tritanopia

31.9504, 40.4310, 59.5461

Trichromacy



Original Color

22.4690, 40.7798, 11.5375



Protanomaly

28.0910, 38.3172, 10.1904



Deuteranomaly

29.7910, 37.6956, 11.6671



Tritanomaly

26.9753, 39.9754, 34.7280

Monochromacy



Original Color

22.4690, 40.7798, 11.5375



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

22.0510, 29.6910, 19.8980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4690, 40.7798, 11.5375 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(59, 196, 64)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 64)  
}
```

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(59, 196, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 64) }
```

Border

The CSS property to change the border of an element to XYZ 22.4690, 40.7798, 11.5375 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(59, 196, 64) }
```


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

```
.border{ border-color:rgb(59, 196, 64) }
```

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

Here you see how a box with a 4 pixel rgb(59, 196, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 64);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4690, 40.7798, 11.5375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 196, 64) }
```

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

```
.background{ background-color: rgb(59, 196,  
64) }
```

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