

Converting Colors

XYZ(19.0087, 39.0549, 18.0347)

Have a look what the booklet for
XYZ(19.0087, 39.0549, 18.0347)
contains.

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Color

**XYZ(22.1709, 40.8143,
18.2647)**

Conversions

Conversions Part 1

Format	Color
Hex	00C562
RGB	0, 197, 98
RGB Percent	0%, 77%, 38%
CMY	0.9999, 0.2274, 0.6157
CMYK	1.00, 0.00, 0.50, 0.23
HSL	150°, 100%, 39%
HSV	150°, 100%, 77%
XYZ	22.1709, 40.8143, 18.2647
YIQ	126.8110, -85.6330, -72.5530

Conversions

Conversions Part 2

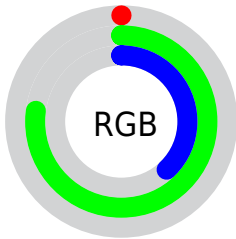
Format	Color
RYB	0, 132, 197
Decimal	50530
CIELab	70.05, -63.10, 38.05
CIELCh	70, 73.685, 148.907
Yxy	40.8143, 0.2729, 0.5023
Android (android.graphics.Color)	4278240610 (0xFF00C562)
YUV	126.8110, -14.2038, -111.2132
Hunter-Lab	63.8861, -49.8543, 27.7695

Details

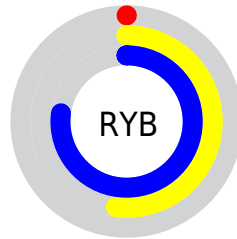
The XYZ color **22.1709, 40.8143, 18.2647** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **25.2799, 12.7723, 12.9415**, and the grayscale version is **20.1784, 21.2293, 23.1187**.

A 20% lighter version of the original color is **46.5206, 76.4313, 41.1550**, and **10.2065, 19.5594, 6.0337** is the 20% darker color. If you saturate the color by 10%, you get **22.1713, 40.8157, 18.2636**, and if you desaturate by 10%, it is **22.9514, 41.1604, 20.8956**.

Distribution



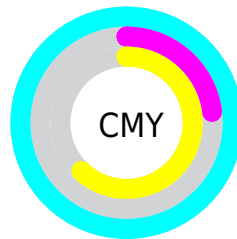
- Red (0%)
- Green (77%)
- Blue (38%)



- Red (0%)
- Yellow (52%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1709, 40.8143, 18.2647 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 22.1709, 40.8143, 18.2647 by changing the saturation by 10% instead.


 22.1709, 40.8143,
18.2647


 22.1709, 40.8143,
18.2647


256.0531,
349.5439, 254.6449


 14.0998, 28.1740,
10.9688


 46.5050, 76.4019,
41.3079


 8.2723, 18.4569,
5.9319


 63.4988, 100.1180,
57.8922


 4.3229, 11.2785,
2.7356


 84.1976, 128.2949,
78.4098

 1.8864, 6.2545,
0.9613

 108.9666,
161.3169, 103.2791

 0.5689, 3.0004,
0.0000

 138.1714,
199.5683, 132.9187

 0.0000, 1.1320,
0.0000

172.1771,

 0.0000, 0.0051,

243.4338, 167.7472

0.0000

211.3492,
293.2975, 208.1831

■ 0.0000, 0.0000,
0.0000

■ 22.1709, 40.8143,
18.2647

■ 22.1709, 40.8143,
18.2647

■ 22.1713, 40.8157,
18.2636

■ 22.9514, 41.1604,
20.8956

■ 24.0780, 41.6768,
23.8541

■ 25.6545, 42.4181,
27.1559

■ 27.7353, 43.4120,
30.8131

■ 30.3664, 44.6821,
34.8369

■ 33.5886, 46.2491,
39.2379

■ 37.4384, 48.1317,
44.0262

■ 41.9494, 50.3472,
49.2116

■ 47.1527, 52.9112,
54.8035

Harmonies

Analogous

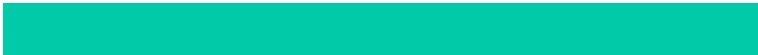
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.6553, 40.8143, 8.0239



22.1709, 40.8143, 18.2647



19.9637, 40.8143, 43.1884

Triad

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



22.1709, 40.8143, 18.2647



38.3533, 40.8143, 148.9638



62.7574, 40.8143, 19.5012

Complementary

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



22.1709, 40.8143, 18.2647



25.2799, 12.7723, 12.9415

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.



66.8056, 40.8143, 45.7152



22.1709, 40.8143, 18.2647



51.0769, 40.8143, 131.2636

Square

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



22.1709, 40.8143, 18.2647



28.0355, 40.8143, 128.6799



62.1515, 40.8143, 88.1580



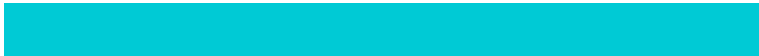
52.0003, 40.8143, 8.4343

Rectangle

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



22.1709, 40.8143, 18.2647



20.7728, 40.8143, 69.5345



62.1515, 40.8143, 88.1580



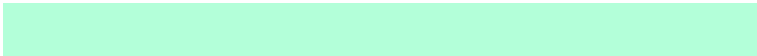
65.0352, 40.8143, 26.2514

Sweetspot

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



22.1719, 40.8160, 18.2656



66.7014, 86.0308, 78.4313



25.4231, 42.7467, 6.9115



13.6198, 18.0925, 15.9864



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

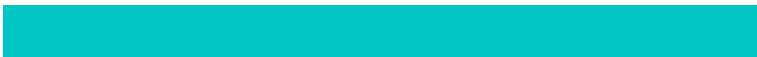
The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1719, 40.8160, 18.2656



39.5806, 73.0482, 32.0389



29.6734, 43.8165, 57.7677



10.7138, 11.9744, 12.4429



14.6247, 26.8623, 12.2341



0.7290, 1.2866, 0.7719

Inverse Universe

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



25.2799, 12.7723, 12.9415



45.1466, 22.8226, 22.5018



23.0450, 11.8783, 1.1729



10.8525, 10.7244, 12.2065



16.6690, 8.4172, 8.7328



0.8258, 0.4132, 0.6060

Previews

White Background



This preview shows how the XYZ color 22.1709, 40.8143, 18.2647 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 22.1709, 40.8143, 18.2647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

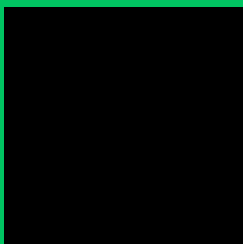
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

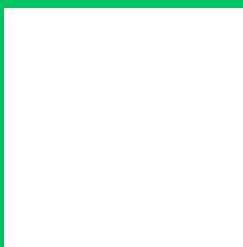
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1709, 40.8143, 18.2647

Background



This preview shows how black text looks on a background with the XYZ color 22.1709, 40.8143, 18.2647.



This preview shows how white text looks on a background with the XYZ color 22.1709, 40.8143,

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

22.1709, 40.8143, 18.2647

Protanopia

36.6714, 40.0355, 15.2460

Deuteranopia

40.7510, 39.8813, 19.4600



Tritanopia

31.0032, 40.8307, 61.5054

Trichromacy



Original Color

22.1709, 40.8143, 18.2647



Protanomaly

25.8608, 37.3372, 15.9690



Deuteranomaly

27.0346, 36.4052, 18.6987



Tritanomaly

26.3332, 40.1356, 41.4810

Monochromacy



Original Color

22.1709, 40.8143, 18.2647



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

17.7740, 25.4668, 20.5018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1709, 40.8143, 18.2647 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(0, 197, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 98)  
}
```

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(0, 197, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 98) }
```

Border

The CSS property to change the border of an element to XYZ 22.1709, 40.8143, 18.2647 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(0, 197, 98) }
```


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

```
.border{ border-color:rgb(0, 197, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.1709, 40.8143, 18.2647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 98) }
```

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

```
.background{ background-color: rgb(0, 197,  
98) }
```

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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