

Converting Colors

XYZ(22.0892, 38.7323, 24.1529)

Have a look what the booklet for
XYZ(22.0892, 38.7323, 24.1529)
contains.

XYZ(22.0210, 38.6177, 24.0626)	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(22.0210, 38.6177,
24.0626)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF78
RGB	0, 191, 120
RGB Percent	0%, 75%, 47%
CMY	0.9999, 0.2510, 0.5294
CMYK	1.00, 0.00, 0.37, 0.25
HSL	158°, 100%, 37%
HSV	158°, 100%, 75%
XYZ	22.0210, 38.6177, 24.0626
YIQ	125.7970, -91.0450, -62.5730

Conversions

Conversions Part 2

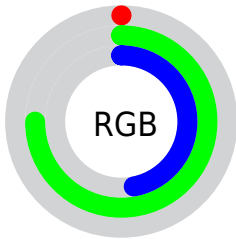
Format	Color
RYB	0, 117, 191
Decimal	49016
CIELab	68.47, -57.02, 24.73
CIELCh	68, 62.147, 156.556
Yxy	38.6177, 0.2600, 0.4559
Android (android.graphics.Color)	4278239096 (0xFF00BF78)
YUV	125.7970, -2.8579, -110.3240
Hunter-Lab	62.1431, -45.4974, 20.5424

Details

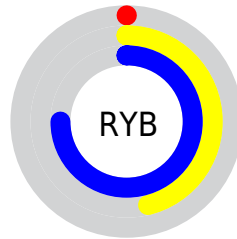
The XYZ color **22.0210, 38.6177, 24.0626** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **22.6248, 11.5323, 6.9978**, and the grayscale version is **19.7960, 20.8269, 22.6805**.

A 20% lighter version of the original color is **46.4555, 73.3652, 51.2476**, and **9.9415, 18.0633, 8.9238** is the 20% darker color. If you saturate the color by 10%, you get **22.0214, 38.6190, 24.0615**, and if you desaturate by 10%, it is **22.7398, 38.9376, 26.4310**.

Distribution



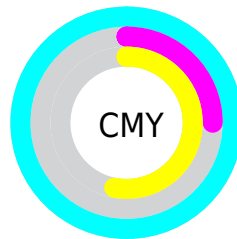
- Red (0%)
- Green (75%)
- Blue (47%)



- Red (0%)
- Yellow (46%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0210, 38.6177, 24.0626 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 22.0210, 38.6177, 24.0626 by changing the saturation by 10% instead.

■ 22.0210, 38.6177,
24.0626

■ 22.0210, 38.6177,
24.0626

255.2862,
340.2624, 286.4336

■ 13.9890, 26.4625,
15.1674

■ 46.2593, 73.0539,
51.0774

■ 8.1947, 17.1699,
8.7891

■ 63.1963, 96.1037,
70.0342

■ 4.2726, 10.3557,
4.5089

■ 83.8324, 123.5538,
93.1819

■ 1.8575, 5.6354,
1.9085

■ 108.5329,
155.7885, 120.9391

■ 0.5519, 2.6247,
0.4981

■ 137.6632,
193.1924, 153.7243

■ 0.0000, 0.9391,
0.0000

■ 171.5886,

■ 0.0000, 0.0000,

236.1497, 191.9561

0.0000

210.6745,
285.0449, 236.0530

■ 22.0210, 38.6177,
24.0626

■ 22.0210, 38.6177,
24.0626

■ 22.0214, 38.6190,
24.0615

■ 22.7398, 38.9376,
26.4310

■ 23.7562, 39.4061,
28.9828

■ 25.1674, 40.0744,
31.7268

■ 27.0227, 40.9677,
34.6686

■ 29.3638, 42.1074,
37.8134

■ 32.2274, 43.5123,
41.1659

■ 35.6463, 45.1995,
44.7308

■ 39.6510, 47.1844,
48.5124

■ 44.2693, 49.4815,
52.5149

Harmonies

Analogous

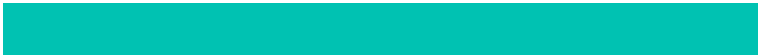
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.6102, 38.6177, 11.9373



22.0210, 38.6177, 24.0626



21.0203, 38.6177, 48.4976

Triad

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



22.0210, 38.6177, 24.0626



38.8928, 38.6177, 121.3951



53.9670, 38.6177, 17.4463

Complementary

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



22.0210, 38.6177, 24.0626



22.6248, 11.5323, 6.9978

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.



58.7219, 38.6177, 36.1974



22.0210, 38.6177, 24.0626



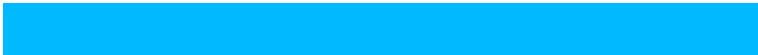
49.0757, 38.6177, 101.7998

Square

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



22.0210, 38.6177, 24.0626



29.7236, 38.6177, 113.2867



56.7892, 38.6177, 67.3050



44.7019, 38.6177, 9.4748

Rectangle

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



22.0210, 38.6177, 24.0626



22.3292, 38.6177, 70.9948



56.7892, 38.6177, 67.3050



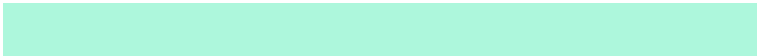
56.2143, 38.6177, 22.2827

Sweetspot

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



22.0220, 38.6192, 24.0635



63.5205, 80.7914, 79.7924



21.3966, 38.6885, 6.3404



13.3517, 17.4462, 16.9146



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.



22.0220, 38.6192, 24.0635



39.3175, 69.1157, 42.4529



23.5407, 32.0343, 54.2346



9.6540, 10.7477, 11.4276



14.5116, 25.3949, 16.0228



0.5991, 1.0070, 0.7890

Inverse Universe

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



22.6248, 11.5323, 6.9978



40.4111, 20.6098, 11.9631



21.7794, 11.6621, 1.1036



9.6729, 9.5935, 10.6665



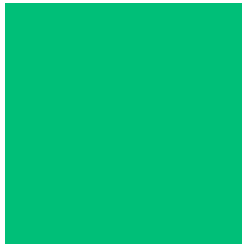
14.9038, 7.5927, 4.7872



0.6157, 0.3102, 0.3556

Previews

White Background



This preview shows how the XYZ color 22.0210, 38.6177, 24.0626 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 22.0210, 38.6177, 24.0626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

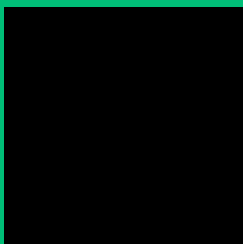
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

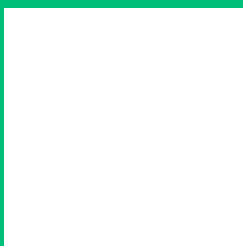
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0210, 38.6177, 24.0626

Background



This preview shows how black text looks on a background with the XYZ color 22.0210, 38.6177, 24.0626.

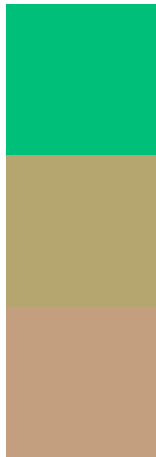


This preview shows how white text looks on a background with the XYZ color 22.0210, 38.6177,

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

22.0210, 38.6177, 24.0626

Protanopia

35.2731, 38.1015, 20.2471

Deuteranopia

38.7346, 37.9307, 25.3585



Tritanopia

29.0757, 38.6704, 58.1562

Trichromacy



Original Color

22.0210, 38.6177, 24.0626



Protanomaly

25.4375, 35.5197, 21.4349



Deuteranomaly

26.5132, 34.8661, 24.4012



Tritanomaly

25.4131, 38.0387, 43.0486

Monochromacy



Original Color

22.0210, 38.6177, 24.0626



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.8527, 24.9734, 22.9482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0210, 38.6177, 24.0626 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, 191, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 120)  
}
```

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, 191, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 120) }
```

Border

The CSS property to change the border of an element to XYZ 22.0210, 38.6177, 24.0626 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, 191, 120) }
```


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

```
.border{ border-color:rgb(0, 191, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0210, 38.6177, 24.0626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 120) }
```

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

```
.background{ background-color: rgb(0, 191,  
120) }
```

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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