

Converting Colors

XYZ(22.7206, 40.6721, 22.2758)

Have a look what the booklet for
XYZ(22.7206, 40.6721, 22.2758)
contains.

XYZ(22.7206, 40.6721, 22.2758)	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(22.7206, 40.6721,
22.2758)**

Conversions

Conversions Part 1

Format	Color
Hex	00C471
RGB	0, 196, 113
RGB Percent	0%, 77%, 44%
CMY	0.9999, 0.2314, 0.5569
CMYK	1.00, 0.00, 0.42, 0.23
HSL	155°, 100%, 38%
HSV	155°, 100%, 77%
XYZ	22.7206, 40.6721, 22.2758
YIQ	127.9340, -90.1730, -67.3650

Conversions

Conversions Part 2

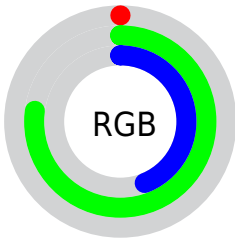
Format	Color
RYB	0, 124, 196
Decimal	50289
CIELab	69.95, -60.14, 30.33
CIELCh	70, 67.361, 153.235
Yxy	40.6721, 0.2652, 0.4748
Android (android.graphics.Color)	4278240369 (0xFF00C471)
YUV	127.9340, -7.3625, -112.1981
Hunter-Lab	63.7747, -48.0126, 23.9329

Details

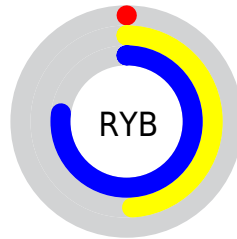
The XYZ color **22.7206, 40.6721, 22.2758** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **24.3280, 12.3614, 9.2910**, and the grayscale version is **20.5443, 21.6142, 23.5379**.

A 20% lighter version of the original color is **47.4703, 76.2894, 48.2998**, and **10.4503, 19.4199, 8.0481** is the 20% darker color. If you saturate the color by 10%, you get **22.7210, 40.6735, 22.2746**, and if you desaturate by 10%, it is **23.4912, 41.0140, 24.8652**.

Distribution



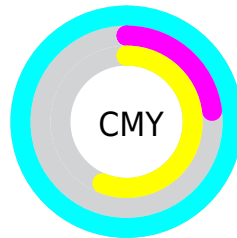
- Red (0%)
- Green (77%)
- Blue (44%)



- Red (0%)
- Yellow (49%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.7206, 40.6721, 22.2758 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 22.7206, 40.6721, 22.2758 by changing the saturation by 10% instead.


 22.7206, 40.6721,
22.2758


 22.7206, 40.6721,
22.2758


258.8489,
348.9483, 276.9835


 14.5069, 28.0630,
13.8594


 47.4042, 76.1859,
48.1094


 8.5581, 18.3731,
7.8853


 64.6048, 99.8593,
66.3638


 4.5089, 11.2182,
3.9349


 85.5317, 127.9896,
88.7346

 1.9939, 6.2138,
1.5897

 110.5503,
160.9612, 115.6403

 0.6305, 2.9755,
0.2835

 140.0260,
199.1585, 147.4995

 0.0000, 1.1190,
0.0000

174.3241,

 0.0000, 0.0000,

242.9658, 184.7308

0.0000

213.8099,
292.7676, 227.7526

■ 22.7206, 40.6721,
22.2758

■ 22.7206, 40.6721,
22.2758

■ 22.7210, 40.6735,
22.2746

■ 23.4912, 41.0140,
24.8652

■ 24.5883, 41.5180,
27.6978

■ 26.1141, 42.2378,
30.7850

■ 28.1212, 43.2005,
34.1344

■ 30.6547, 44.4290,
37.7534

■ 33.7538, 45.9437,
41.6488

■ 37.4541, 47.7626,
45.8271

■ 41.7882, 49.9025,
50.2946

■ 46.7860, 52.3788,
55.0572

Harmonies

Analogous

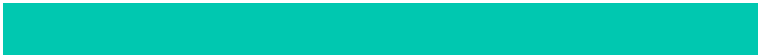
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.2135, 40.6721, 10.5429



22.7206, 40.6721, 22.2758



21.1945, 40.6721, 47.7817

Triad

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



22.7206, 40.6721, 22.2758



39.8600, 40.6721, 136.0887



59.1145, 40.6721, 18.7465

Complementary

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



22.7206, 40.6721, 22.2758



24.3280, 12.3614, 9.2910

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.



63.7652, 40.6721, 40.9632



22.7206, 40.6721, 22.2758



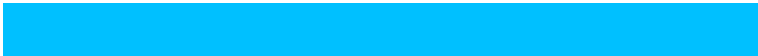
51.4054, 40.6721, 116.4408

Square

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



22.7206, 40.6721, 22.2758



29.9177, 40.6721, 123.0556



60.7083, 40.6721, 77.4291



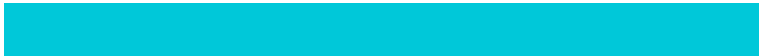
48.9527, 40.6721, 9.2871

Rectangle

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



22.7206, 40.6721, 22.2758



22.3377, 40.6721, 72.6391



60.7083, 40.6721, 77.4291



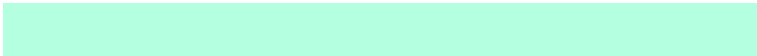
61.4528, 40.6721, 24.4766

Sweetspot

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



22.7216, 40.6737, 22.2767



67.5007, 86.3505, 82.6407



23.4820, 41.4100, 6.7558



13.8091, 18.1682, 16.9834



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.



22.7216, 40.6737, 22.2767



41.0270, 73.6268, 39.6556



26.8850, 37.8270, 58.1108



10.1823, 11.3540, 11.9635



14.6425, 26.1511, 14.5425



0.6665, 1.1435, 0.8066

Inverse Universe

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



24.3280, 12.3614, 9.2910



43.9464, 22.3426, 16.1818



22.9109, 12.0262, 1.1142



10.2462, 10.1471, 11.3872



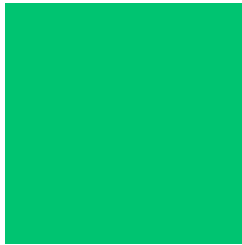
15.6720, 7.9585, 6.1847



0.7115, 0.3576, 0.4484

Previews

White Background



This preview shows how the XYZ color 22.7206, 40.6721, 22.2758 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 22.7206, 40.6721, 22.2758 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 22.7206, 40.6721, 22.2758

Background



This preview shows how black text looks on a background with the XYZ color 22.7206, 40.6721, 22.2758.



This preview shows how white text looks on a background with the XYZ color 22.7206, 40.6721,

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

22.7206, 40.6721, 22.2758

Protanopia

36.8305, 40.0430, 18.6199

Deuteranopia

40.4589, 39.6386, 23.6078



Tritanopia

30.7740, 40.7126, 61.4947

Trichromacy



Original Color

22.7206, 40.6721, 22.2758



Protanomaly

26.2452, 37.1533, 19.6980



Deuteranomaly

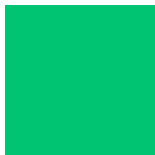
27.3082, 36.1693, 22.6816



Tritanomaly

26.7016, 40.2723, 43.9021

Monochromacy



Original Color

22.7206, 40.6721, 22.2758



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.3597, 25.9619, 22.7824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7206, 40.6721, 22.2758 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, 196, 113)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 113)  
}
```

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, 196, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 113) }
```

Border

The CSS property to change the border of an element to XYZ 22.7206, 40.6721, 22.2758 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, 196, 113) }
```


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

```
.border{ border-color:rgb(0, 196, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 113);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7206, 40.6721, 22.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 113) }
```

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

```
.background{ background-color: rgb(0, 196,  
113) }
```

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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