

Converting Colors

XYZ(20.1317, 39.7454, 15.8312)

Have a look what the booklet for
XYZ(20.1317, 39.7454, 15.8312)
contains.

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Color

**XYZ(21.7277, 40.6371,
15.9311)**

Conversions

Conversions Part 1

Format	Color
Hex	00C558
RGB	0, 197, 88
RGB Percent	0%, 77%, 35%
CMY	1.0000, 0.2274, 0.6549
CMYK	1.00, 0.00, 0.55, 0.23
HSL	147°, 100%, 39%
HSV	147°, 100%, 77%
XYZ	21.7277, 40.6371, 15.9311
YIQ	125.6710, -82.4230, -75.6630

Conversions

Conversions Part 2

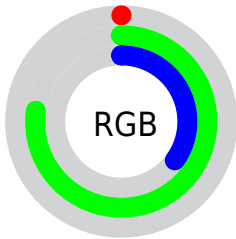
Format	Color
RYB	0, 136, 197
Decimal	50520
CIELab	69.92, -64.63, 42.75
CIELCh	70, 77.486, 146.514
Yxy	40.6371, 0.2775, 0.5190
Android (android.graphics.Color)	4278240600 (0xFF00C558)
YUV	125.6710, -18.5718, -110.2135
Hunter-Lab	63.7472, -50.7175, 29.8059

Details

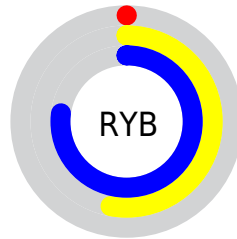
The XYZ color **21.7277, 40.6371, 15.9311** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **25.7876, 12.9752, 15.6152**, and the grayscale version is **19.8018, 20.8330, 22.6872**.

A 20% lighter version of the original color is **45.7492, 76.1228, 37.0929**, and **9.8588, 19.1833, 4.9334** is the 20% darker color. If you saturate the color by 10%, you get **21.7285, 40.6387, 15.9313**, and if you desaturate by 10%, it is **22.4971, 40.9788, 18.5042**.

Distribution



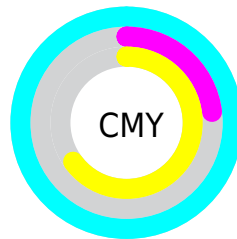
- Red (0%)
- Green (77%)
- Blue (35%)



- Red (0%)
- Yellow (53%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7277, 40.6371, 15.9311 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 21.7277, 40.6371, 15.9311 by changing the saturation by 10% instead.

■ 21.7277, 40.6371,
15.9311

■ 21.7277, 40.6371,
15.9311

253.7801,
348.8016, 240.7666

■ 13.7724, 28.0356,
9.3216

■ 45.7777, 76.1327,
37.2437

■ 8.0432, 18.3525,
4.8519

■ 62.6032, 99.7956,
52.7838

■ 4.1746, 11.2034,
2.1034

■ 83.1162, 127.9145,
72.1379

■ 1.8014, 6.2038,
0.6178

■ 107.6819,
160.8736, 95.7245

■ 0.5185, 2.9694,
0.0000

■ 136.6658,
199.0576, 123.9621

■ 0.0000, 1.1158,
0.0000

170.4333,

■ 0.0000, 0.0000,

242.8506, 157.2693

0.0000

209.3496,
292.6371, 196.0646

■ 21.7277, 40.6371,
15.9311

■ 21.7277, 40.6371,
15.9311

■ 21.7285, 40.6387,
15.9313

■ 22.4971, 40.9788,
18.5042

■ 23.6230, 41.4949,
21.4602

■ 25.2101, 42.2404,
24.8187

■ 27.3133, 43.2432,
28.5954

■ 29.9795, 44.5273,
32.8050

■ 33.2499, 46.1136,
37.4612

■ 37.1617, 48.0210,
42.5772

■ 41.7489, 50.2668,
48.1657

■ 47.0433, 52.8673,
54.2387

Harmonies

Analogous

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



28.7809, 40.6371, 6.6604



21.7277, 40.6371, 15.9311



19.1274, 40.6371, 40.1584

Triad

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



21.7277, 40.6371, 15.9311



37.1691, 40.6371, 156.0302



64.6330, 40.6371, 19.9254

Complementary

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



21.7277, 40.6371, 15.9311



25.7876, 12.9752, 15.6152

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.



68.2285, 40.6371, 48.6038



21.7277, 40.6371, 15.9311



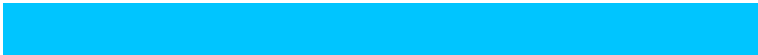
50.4896, 40.6371, 139.9923

Square

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



21.7277, 40.6371, 15.9311



26.7331, 40.6371, 131.0904



62.5776, 40.6371, 94.6728



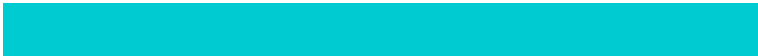
53.6036, 40.6371, 7.9277

Rectangle

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



21.7277, 40.6371, 15.9311



19.7316, 40.6371, 67.0633



62.5776, 40.6371, 94.6728



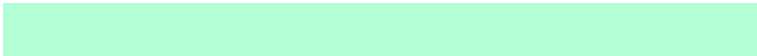
66.8421, 40.6371, 27.2995

Sweetspot

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



21.7287, 40.6388, 15.9320



66.2037, 85.8317, 75.8105



26.6032, 43.3551, 6.9664



13.5025, 18.0455, 15.3687



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.



21.7287, 40.6388, 15.9320



38.7919, 72.7328, 27.8859



28.6053, 43.3894, 52.1435



10.6911, 11.9653, 12.3233



14.3320, 26.7452, 10.6929



0.7150, 1.2809, 0.6977

Inverse Universe

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



25.7876, 12.9752, 15.6152



46.0547, 23.1859, 27.2839



23.1005, 11.9003, 1.4650



10.8754, 10.7335, 12.3269



17.0035, 8.5510, 10.4943



0.8412, 0.4193, 0.6870

Previews

White Background



This preview shows how the XYZ color 21.7277, 40.6371, 15.9311 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 21.7277, 40.6371, 15.9311 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 21.7277, 40.6371, 15.9311

Background



This preview shows how black text looks on a background with the XYZ color 21.7277, 40.6371, 15.9311.



This preview shows how white text looks on a background with the XYZ color 21.7277, 40.6371,

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

21.7277, 40.6371, 15.9311

Protanopia

36.5250, 40.0053, 13.1939

Deuteranopia

40.5316, 39.8255, 16.8601



Tritanopia

30.8349, 40.4458, 60.8252

Trichromacy



Original Color

21.7277, 40.6371, 15.9311



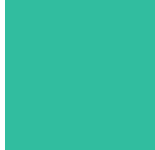
Protanomaly

25.5900, 37.2448, 13.8229



Deuteranomaly

26.7104, 36.2934, 16.1872



Tritanomaly

25.7222, 39.5514, 39.0794

Monochromacy



Original Color

21.7277, 40.6371, 15.9311



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

17.4611, 25.3318, 19.2985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7277, 40.6371, 15.9311 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 88) }
```

Border

The CSS property to change the border of an element to XYZ 21.7277, 40.6371, 15.9311 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, 88) }
```


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

```
.border{ border-color:rgb(0, 197, 88) }
```

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, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 88)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.7277, 40.6371, 15.9311 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, 88) }
```

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

```
.background{ background-color: rgb(0, 197,  
88) }
```

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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