

Converting Colors

XYZ(21.7080, 37.6745, 15.5756)

Have a look what the booklet for
XYZ(21.7080, 37.6745, 15.5756)
contains.

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Color

**XYZ(21.7109, 37.6798,
15.5798)**

Conversions

Conversions Part 1

Format	Color
Hex	3DBC59
RGB	61, 188, 89
RGB Percent	24%, 74%, 35%
CMY	0.7608, 0.2627, 0.6510
CMYK	0.68, 0.00, 0.53, 0.26
HSL	133°, 51%, 49%
HSV	133°, 68%, 74%
XYZ	21.7109, 37.6798, 15.5798
YIQ	138.7410, -43.9130, -57.7130

Conversions

Conversions Part 2

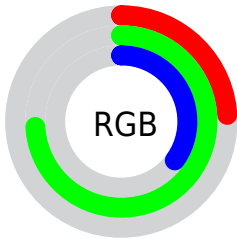
Format	Color
RYB	61, 165, 188
Decimal	4045913
CIELab	67.78, -55.49, 39.85
CIElCh	68, 68.318, 144.320
Yxy	37.6798, 0.2896, 0.5026
Android (android.graphics.Color)	4282235993 (0xFF3DBC59)
YUV	138.7410, -24.5223, -68.1789
Hunter-Lab	61.3839, -44.2880, 27.9204

Details

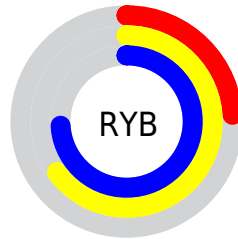
The XYZ color **21.7109, 37.6798, 15.5798** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **28.7542, 16.5677, 34.9415**, and the grayscale version is **24.5453, 25.8235, 28.1218**.

A 20% lighter version of the original color is **45.6285, 71.4389, 36.5835**, and **8.7537, 16.9215, 4.7243** is the 20% darker color. If you saturate the color by 10%, you get **20.1948, 36.9635, 12.6103**, and if you desaturate by 10%, it is **23.7569, 38.6573, 19.2153**.

Distribution



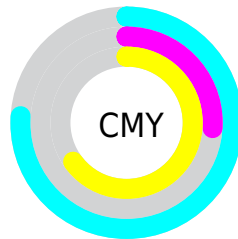
- Red (24%)
- Green (74%)
- Blue (35%)



- Red (24%)
- Yellow (65%)
- Blue (74%)



- Cyan (68%)
- Magenta (0%)
- Yellow (53%)
- Black (26%)



- Cyan (76%)
- Magenta (26%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7109, 37.6798, 15.5798 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 21.7109, 37.6798, 15.5798 by changing the saturation by 10% instead.

■ 21.7109, 37.6798,
15.5798

■ 21.7109, 37.6798,
15.5798

253.6936,
336.2444, 238.6097

■ 13.7600, 25.7343,
9.0762

■ 45.7501, 71.6171,
36.6237

■ 8.0345, 16.6249,
4.6934

■ 62.5692, 94.3776,
52.0011

■ 4.1691, 9.9675,
2.0130

■ 83.0751, 121.5120,
71.1736

■ 1.7982, 5.3774,
0.5632

■ 107.6331,
153.4045, 94.5595

■ 0.5166, 2.4703,
0.0000

■ 136.6086,
190.4396, 122.5776

■ 0.0000, 0.8617,
0.0000

170.3669,

■ 0.0000, 0.0000,

233.0017, 155.6463

0.0000

209.2735,
281.4752, 194.1841

■ 21.7109, 37.6798,
15.5798

■ 21.7109, 37.6798,
15.5798

■ 20.1948, 36.9635,
12.6103

■ 23.7569, 38.6573,
19.2153

■ 19.1540, 36.4778,
10.2638

■ 26.3749, 39.9137,
23.5513

■ 18.5159, 36.1873,
8.4953

■ 29.6059, 41.4704,
28.6232

■ 18.3921, 36.1311,
8.1438

■ 33.4860, 43.3454,
34.4628

■ 38.0487, 45.5554,
41.1005

■ 43.3253, 48.1158,
48.5647

■ 49.3447, 51.0411,
56.8826

■ 56.1346, 54.3448,
66.0801

■ 63.7210, 58.0400,
76.1819

Harmonies

Analogous

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



28.0784, 37.6798, 7.5593



21.7109, 37.6798, 15.5798



19.1568, 37.6798, 35.5308

Triad

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



21.7109, 37.6798, 15.5798



33.8392, 37.6798, 130.4857



57.7112, 37.6798, 21.4208

Complementary

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



21.7109, 37.6798, 15.5798



28.7542, 16.5677, 34.9415

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.



60.0848, 37.6798, 47.0624



21.7109, 37.6798, 15.5798



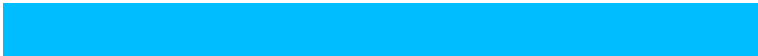
44.8529, 37.6798, 120.2148

Square

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



21.7109, 37.6798, 15.5798



25.2186, 37.6798, 108.7988



54.9899, 37.6798, 85.2046



49.0245, 37.6798, 9.5825

Rectangle

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



21.7109, 37.6798, 15.5798



19.5092, 37.6798, 57.1734



54.9899, 37.6798, 85.2046



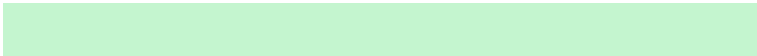
59.3373, 37.6798, 28.2484

Sweetspot

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



21.7118, 37.6814, 15.5807



66.5331, 81.3853, 70.9996



33.4210, 43.8286, 11.1135



13.8015, 17.2564, 14.5336



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.7118, 37.6814, 15.5807



35.5971, 66.5188, 20.6873



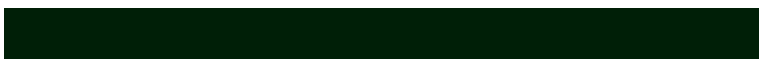
25.5777, 39.2277, 35.9379



9.4926, 10.6832, 10.5775



12.5452, 24.6083, 5.6677



0.5166, 0.9740, 0.3545

Inverse Universe

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



28.7542, 16.5677, 34.9415



49.1359, 25.5917, 57.6595



24.5657, 14.8923, 12.8856



9.8375, 9.6593, 11.5331



17.7106, 8.7154, 19.5677



0.7165, 0.3505, 0.8861

Previews

White Background



This preview shows how the XYZ color 21.7109, 37.6798, 15.5798 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 21.7109, 37.6798, 15.5798 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 21.7109, 37.6798, 15.5798

Background



This preview shows how black text looks on a background with the XYZ color 21.7109, 37.6798, 15.5798.



This preview shows how white text looks on a background with the XYZ color 21.7109, 37.6798,

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

21.7109, 37.6798, 15.5798

Protanopia

33.8167, 36.9688, 13.1379

Deuteranopia

37.5993, 36.7821, 16.4272



Tritanopia

29.5397, 37.4812, 54.9679

Trichromacy



Original Color

21.7109, 37.6798, 15.5798



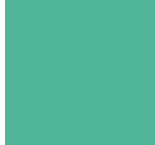
Protanomaly

26.8603, 35.8456, 13.8907



Deuteranomaly

28.4174, 35.2030, 15.8868



Tritanomaly

25.7499, 37.1302, 36.3815

Monochromacy



Original Color

21.7109, 37.6798, 15.5798



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.0637, 28.8739, 22.4995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7109, 37.6798, 15.5798 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(61, 188, 89)` looks like.

```
.text, #text, p{  
    color:rgb(61, 188, 89)  
}
```

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(61, 188, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 188, 89) }
```

Border

The CSS property to change the border of an element to XYZ 21.7109, 37.6798, 15.5798 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(61, 188, 89) }
```


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

```
.border{ border-color:rgb(61, 188, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 188, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 188, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 188, 89);  
box-shadow:4px 4px 4px 4px rgb(61, 188,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7109, 37.6798, 15.5798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 188, 89) }
```

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

```
.background{ background-color: rgb(61, 188,  
89) }
```

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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