

Converting Colors

XYZ(21.0731, 36.9871, 14.3942)

Have a look what the booklet for
XYZ(21.0731, 36.9871, 14.3942)
contains.

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Color

**XYZ(21.1155, 37.0803,
14.4318)**

Conversions

Conversions Part 1

Format	Color
Hex	3ABB54
RGB	58, 187, 84
RGB Percent	23%, 73%, 33%
CMY	0.7725, 0.2667, 0.6706
CMYK	0.69, 0.00, 0.55, 0.27
HSL	132°, 53%, 48%
HSV	132°, 69%, 73%
XYZ	21.1155, 37.0803, 14.4318
YIQ	136.6870, -43.8210, -59.3810

Conversions

Conversions Part 2

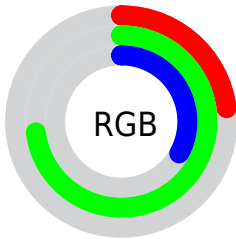
Format	Color
RYB	58, 165, 187
Decimal	3849044
CIELab	67.34, -56.39, 41.71
CIELCh	67, 70.139, 143.508
Yxy	37.0803, 0.2907, 0.5106
Android (android.graphics.Color)	4282039124 (0xFF3ABB54)
YUV	136.6870, -25.9747, -69.0085
Hunter-Lab	60.8936, -44.6670, 28.5738

Details

The XYZ color **21.1155, 37.0803, 14.4318** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **28.4407, 16.1648, 35.3403**, and the grayscale version is **23.7673, 25.0050, 27.2305**.

A 20% lighter version of the original color is **44.6798, 70.5439, 34.5540**, and **8.5258, 16.6123, 4.1960** is the 20% darker color. If you saturate the color by 10%, you get **19.6956, 36.4099, 11.6316**, and if you desaturate by 10%, it is **23.0566, 38.0071, 17.9087**.

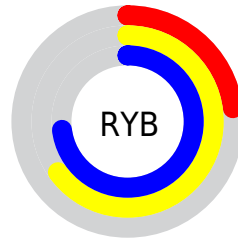
Distribution



Red (23%)

Green (73%)

Blue (33%)



Red (23%)

Yellow (65%)

Blue (73%)

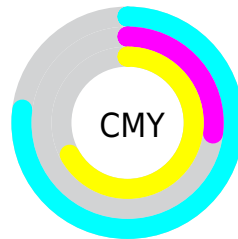


Cyan (69%)

Magenta (0%)

Yellow (55%)

Black (27%)



Cyan (77%)


Magenta (27%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1155, 37.0803, 14.4318 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 21.1155, 37.0803, 14.4318 by changing the saturation by 10% instead.


 21.1155, 37.0803,
14.4318


 21.1155, 37.0803,
14.4318


250.6118,
333.6580, 231.4219


 13.3214, 25.2697,
8.2794


 44.7695, 70.6963,
34.5813

 7.7288, 16.2781,
4.1839


 61.3601, 93.2704,
49.4156


 3.9722, 9.7211,
1.7268


 81.6136, 120.2011,
67.9809

 1.6864, 5.2145,
0.3790

 105.8954,
151.8729, 90.6958

 0.4478, 2.3736,
0.0000

 134.5707,
188.6701, 117.9787

 0.0000, 0.8123,
0.0000

168.0050,

 0.0000, 0.0000,

230.9771, 150.2484

0.0000

206.5635,
279.1783, 187.9233

■ 21.1155, 37.0803,
14.4318

■ 21.1155, 37.0803,
14.4318

■ 19.6956, 36.4099,
11.6316

■ 23.0566, 38.0071,
17.9087

■ 18.7411, 35.9649,
9.4615

■ 25.5618, 39.2084,
22.1001

■ 18.1645, 35.7022,
7.8715

■ 28.6727, 40.7060,
27.0438

■ 18.1160, 35.6801,
7.7399

■ 32.4261, 42.5179,
32.7742

■ 36.8556, 44.6610,
39.3237

■ 41.9927, 47.1509,
46.7228

■ 47.8669, 50.0020,
55.0004

■ 54.5058, 53.2281,
64.1840

■ 61.9358, 56.8422,
74.3001

Harmonies

Analogous

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



27.6336, 37.0803, 6.8044



21.1155, 37.0803, 14.4318



18.4534, 37.0803, 34.0515

Triad

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



21.1155, 37.0803, 14.4318



32.9607, 37.0803, 132.2196



57.7671, 37.0803, 21.0843

Complementary

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



21.1155, 37.0803, 14.4318



28.4407, 16.1648, 35.3403

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.



59.9931, 37.0803, 47.4347



21.1155, 37.0803, 14.4318



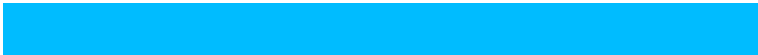
44.1365, 37.0803, 122.4832

Square

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



21.1155, 37.0803, 14.4318



24.3366, 37.0803, 109.0016



54.5827, 37.0803, 86.7320



49.0023, 37.0803, 9.0546

Rectangle

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



21.1155, 37.0803, 14.4318



18.7399, 37.0803, 55.8195



54.5827, 37.0803, 86.7320



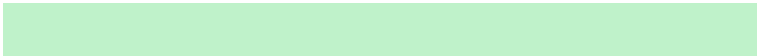
59.3698, 37.0803, 28.0783

Sweetspot

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



21.1164, 37.0818, 14.4326



64.0246, 79.0254, 67.5274



33.2737, 43.4458, 10.6354



13.6055, 17.1638, 14.1431



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.



21.1164, 37.0818, 14.4326



34.2603, 64.7331, 18.6138



24.8854, 38.5894, 34.2797



9.4853, 10.6802, 10.5392



12.5028, 24.5914, 5.4446



0.5134, 0.9727, 0.3378

Inverse Universe

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



28.4407, 16.1648, 35.3403



48.1310, 24.7712, 57.9501



24.1513, 14.4490, 12.7526



9.8453, 9.6624, 11.5744



17.9012, 8.7916, 20.5713



0.7225, 0.3529, 0.9180

Previews

White Background



This preview shows how the XYZ color 21.1155, 37.0803, 14.4318 looks on a white background.

Color Contrast Check

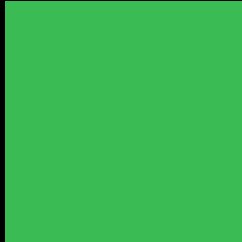
Large Text (above 18pt) WCAG AA × Fail

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 21.1155, 37.0803, 14.4318 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 21.1155, 37.0803, 14.4318

Background



This preview shows how black text looks on a background with the XYZ color 21.1155, 37.0803, 14.4318.



This preview shows how white text looks on a background with the XYZ color 21.1155, 37.0803,

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

21.1155, 37.0803, 14.4318

Protanopia

33.2241, 36.4195, 12.1160

Deuteranopia

36.9858, 36.2388, 15.4013



Tritanopia

29.1340, 36.9925, 54.3199

Trichromacy



Original Color

21.1155, 37.0803, 14.4318



Protanomaly

26.3171, 35.3038, 12.8244



Deuteranomaly

27.6968, 34.5787, 14.8874



Tritanomaly

25.1316, 36.5391, 35.0063

Monochromacy



Original Color

21.1155, 37.0803, 14.4318



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

21.1757, 27.9388, 21.4162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1155, 37.0803, 14.4318 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(58, 187, 84)` looks like.

```
.text, #text, p{  
    color:rgb(58, 187, 84)  
}
```

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(58, 187, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 187, 84) }
```

Border

The CSS property to change the border of an element to XYZ 21.1155, 37.0803, 14.4318 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(58, 187, 84) }
```


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

```
.border{ border-color:rgb(58, 187, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 187, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 187, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 187, 84);  
box-shadow:4px 4px 4px 4px rgb(58, 187,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1155, 37.0803, 14.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 187, 84) }
```

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

```
.background{ background-color: rgb(58, 187,  
84) }
```

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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