

Converting Colors

XYZ(21.3298, 36.6163, 22.2115)

Have a look what the booklet for
XYZ(21.3298, 36.6163, 22.2115)
contains.

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Color

**XYZ(21.3810, 36.7307,
22.1825)**

Conversions

Conversions Part 1

Format	Color
Hex	24BA73
RGB	36, 186, 115
RGB Percent	14%, 73%, 45%
CMY	0.8588, 0.2706, 0.5490
CMYK	0.81, 0.00, 0.38, 0.27
HSL	152°, 68%, 44%
HSV	152°, 81%, 73%
XYZ	21.3810, 36.7307, 22.1825
YIQ	133.0560, -66.6090, -53.8810

Conversions

Conversions Part 2

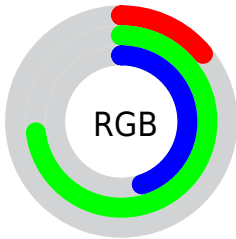
Format	Color
RYB	36, 134, 186
Decimal	2407027
CIELab	67.07, -53.99, 25.55
CIELCh	67, 59.731, 154.676
Yxy	36.7307, 0.2663, 0.4575
Android (android.graphics.Color)	4280597107 (0xFF24BA73)
YUV	133.0560, -8.9016, -85.1181
Hunter-Lab	60.6059, -43.0877, 20.7232

Details

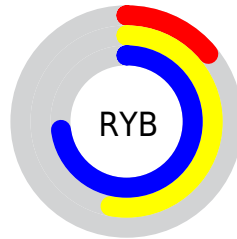
The XYZ color **21.3810, 36.7307, 22.1825** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **23.5357, 12.7632, 15.1348**, and the grayscale version is **22.3646, 23.5293, 25.6234**.

A 20% lighter version of the original color is **45.0890, 70.0170, 47.6974**, and **9.0997, 16.6259, 7.8838** is the 20% darker color. If you saturate the color by 10%, you get **20.4099, 36.2868, 19.6180**, and if you desaturate by 10%, it is **22.7395, 37.3706, 25.0194**.

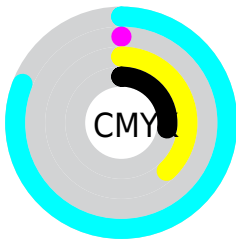
Distribution



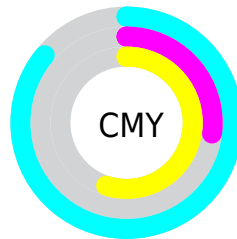
- Red (14%)
- Green (73%)
- Blue (45%)



- Red (14%)
- Yellow (53%)
- Blue (73%)



- Cyan (81%)
- Magenta (0%)
- Yellow (38%)
- Black (27%)





- Cyan (86%)
- Magenta (27%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3810, 36.7307, 22.1825 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 21.3810, 36.7307, 22.1825 by changing the saturation by 10% instead.


 21.3810, 36.7307,
22.1825


 21.3810, 36.7307,
22.1825


251.9900,
332.1431, 276.4824


 13.5168, 24.9991,
13.7915


 45.2073, 70.1584,
47.9535


 7.8648, 16.0763,
7.8387


 61.9001, 92.6233,
66.1705


 4.0597, 9.5782,
3.9056


 82.2665, 119.4346,
88.5000

 1.7359, 5.1202,
1.5737

 106.6719,
150.9769, 115.3604

 0.4786, 2.3180,
0.2720

 135.4816,
187.6345, 147.1703

 0.0000, 0.7832,
0.0000

169.0609,

 0.0000, 0.0000,

229.7918, 184.3482

0.0000

207.7753,
277.8332, 227.3128

■ 21.3810, 36.7307,
22.1825

■ 21.3810, 36.7307,
22.1825

■ 20.4099, 36.2868,
19.6180

■ 22.7395, 37.3706,
25.0194

■ 19.7622, 36.0002,
17.4523

■ 24.5297, 38.2264,
28.1352

■ 26.7926, 39.3200,
31.5390

■ 29.5634, 40.6694,
35.2388

■ 32.8740, 42.2909,
39.2422

■ 36.7533, 44.1993,
43.5563

■ 41.2283, 46.4083,
48.1882

■ 46.3240, 48.9308,
53.1445

■ 52.0643, 51.7790,
58.4317

Harmonies

Analogous

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



25.8852, 36.7307, 11.3444



21.3810, 36.7307, 22.1825



20.2334, 36.7307, 44.2128

Triad

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



21.3810, 36.7307, 22.1825



36.3552, 36.7307, 113.4603



51.3401, 36.7307, 17.7467

Complementary

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



21.3810, 36.7307, 22.1825



23.5357, 12.7632, 15.1348

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.



55.3793, 36.7307, 36.0515



21.3810, 36.7307, 22.1825



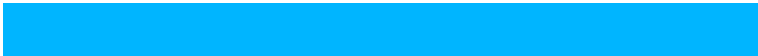
45.8244, 36.7307, 96.8659

Square

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



21.3810, 36.7307, 22.1825



27.9591, 36.7307, 104.4105



53.2041, 36.7307, 65.4395



42.9301, 36.7307, 9.6729

Rectangle

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



21.3810, 36.7307, 22.1825



21.3209, 36.7307, 64.7304



53.2041, 36.7307, 65.4395



53.3146, 36.7307, 22.5302

Sweetspot

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



21.3819, 36.7322, 22.1833



63.8511, 78.7495, 75.9428



24.1240, 38.4664, 7.8228



13.5109, 17.0714, 16.1093



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.



21.3819, 36.7322, 22.1833



36.0158, 65.3394, 32.1939



26.6285, 37.9954, 52.3865



9.0826, 10.1370, 10.5925



13.3331, 24.2342, 11.9418



0.5011, 0.8667, 0.5844

Inverse Universe

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



23.5357, 12.7632, 15.1348



40.0823, 20.3991, 19.1193



21.2784, 11.9857, 2.8615



9.1768, 9.0811, 10.2786



14.8469, 7.5125, 7.0808



0.5547, 0.2774, 0.4145

Previews

White Background



This preview shows how the XYZ color 21.3810, 36.7307, 22.1825 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 21.3810, 36.7307, 22.1825 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

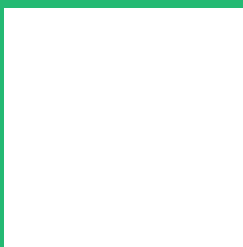
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3810, 36.7307, 22.1825

Background



This preview shows how black text looks on a background with the XYZ color 21.3810, 36.7307, 22.1825.



This preview shows how white text looks on a background with the XYZ color 21.3810, 36.7307,

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

21.3810, 36.7307, 22.1825

Protanopia

33.3746, 36.0907, 18.5718

Deuteranopia

36.7201, 35.9242, 23.4111



Tritanopia

27.9502, 36.6617, 54.8935

Trichromacy



Original Color

21.3810, 36.7307, 22.1825



Protanomaly

25.7807, 34.5899, 19.7857



Deuteranomaly

26.9577, 33.7552, 22.5474



Tritanomaly

24.7956, 36.2475, 40.3399

Monochromacy



Original Color

21.3810, 36.7307, 22.1825



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.0311, 26.5595, 23.8094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3810, 36.7307, 22.1825 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(36, 186, 115)` looks like.

```
.text, #text, p{  
    color:rgb(36, 186, 115)  
}
```

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(36, 186, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 186, 115) }
```

Border

The CSS property to change the border of an element to XYZ 21.3810, 36.7307, 22.1825 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(36, 186, 115) }
```


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

```
.border{ border-color:rgb(36, 186, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 186, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 186, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 186, 115);  
box-shadow:4px 4px 4px 4px rgb(36, 186,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3810, 36.7307, 22.1825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 186, 115) }
```

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

```
.background{ background-color: rgb(36, 186,  
115) }
```

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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