

Converting Colors

XYZ(21.7361, 37.7493, 23.1755)

Have a look what the booklet for
XYZ(21.7361, 37.7493, 23.1755)
contains.

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Color

**XYZ(21.8210, 37.8854,
23.3021)**

Conversions

Conversions Part 1

Format	Color
Hex	17BD76
RGB	23, 189, 118
RGB Percent	9%, 74%, 46%
CMY	0.9098, 0.2588, 0.5372
CMYK	0.88, 0.00, 0.38, 0.26
HSL	154°, 78%, 42%
HSV	154°, 88%, 74%
XYZ	21.8210, 37.8854, 23.3021
YIQ	131.2720, -76.1450, -57.2730

Conversions

Conversions Part 2

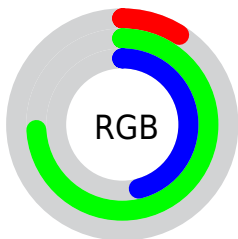
Format	Color
RYB	23, 129, 189
Decimal	1555830
CIELab	67.94, -55.63, 25.09
CIELCh	68, 61.028, 155.728
Yxy	37.8854, 0.2629, 0.4564
Android (android.graphics.Color)	4279745910 (0xFF17BD76)
YUV	131.2720, -6.5431, -94.9545
Hunter-Lab	61.5511, -44.4329, 20.6397

Details

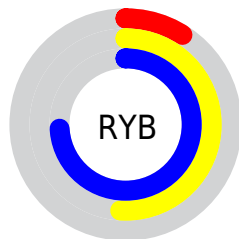
The XYZ color **21.8210, 37.8854, 23.3021** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **23.3144, 12.2407, 11.7258**, and the grayscale version is **21.7143, 22.8451, 24.8783**.

A 20% lighter version of the original color is **45.9000, 71.7354, 49.9552**, and **9.5993, 17.4799, 8.4982** is the 20% darker color. If you saturate the color by 10%, you get **21.0597, 37.5471, 20.8658**, and if you desaturate by 10%, it is **22.9209, 38.3955, 25.9709**.

Distribution



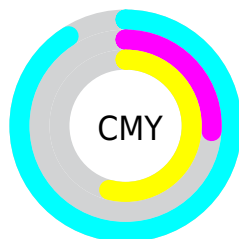
- Red (9%)
- Green (74%)
- Blue (46%)



- Red (9%)
- Yellow (51%)
- Blue (74%)



- Cyan (88%)
- Magenta (0%)
- Yellow (38%)
- Black (26%)





- Cyan (91%)
- Magenta (26%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8210, 37.8854, 23.3021 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 21.8210, 37.8854, 23.3021 by changing the saturation by 10% instead.


 21.8210, 37.8854,
23.3021


 21.8210, 37.8854,
23.3021


254.2600,
337.1281, 282.4449


 13.8413, 25.8938,
14.6093


 45.9310, 71.9325,
49.8184


 8.0913, 16.7442,
8.4021


 62.7921, 94.7567,
68.4790

 4.2057, 10.0523,
4.2619


 83.3443, 121.9605,
91.2992

 1.8192, 5.4336,
1.7701

 107.9530,
153.9284, 118.6977

 0.5292, 2.5039,
0.4081

 136.9835,
191.0447, 151.0930

 0.0000, 0.8786,
0.0000

170.8013,

 0.0000, 0.0000,

233.6938, 188.9036

0.0000

209.7717,
282.2601, 232.5481

■ 21.8210, 37.8854,
23.3021

■ 21.8210, 37.8854,
23.3021

■ 21.0597, 37.5471,
20.8658

■ 22.9209, 38.3955,
25.9709

■ 20.9136, 37.4827,
20.3649

■ 24.4260, 39.1086,
28.8780

■ 26.3837, 40.0501,
32.0315

■ 28.8337, 41.2403,
35.4380

■ 31.8112, 42.6972,
39.1039

■ 35.3480, 44.4371,
43.0352

■ 39.4734, 46.4751,
47.2377

■ 44.2144, 48.8249,
51.7170

■ 49.5966, 51.4997,
56.4785

Harmonies

Analogous

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



26.3821, 37.8854, 11.7337



21.8210, 37.8854, 23.3021



20.7506, 37.8854, 46.6814

Triad

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



21.8210, 37.8854, 23.3021



37.8583, 37.8854, 118.0127



52.9198, 37.8854, 17.6652

Complementary

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



21.8210, 37.8854, 23.3021



23.3144, 12.2407, 11.7258

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.



57.3535, 37.8854, 36.2586



21.8210, 37.8854, 23.3021



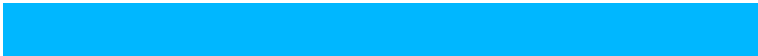
47.7320, 37.8854, 99.7744

Square

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



21.8210, 37.8854, 23.3021



29.0257, 37.8854, 109.4565



55.3055, 37.8854, 66.6371



44.0310, 37.8854, 9.6221

Rectangle

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



21.8210, 37.8854, 23.3021



21.9614, 37.8854, 68.3049



55.3055, 37.8854, 66.6371



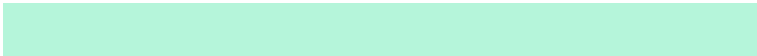
55.0455, 37.8854, 22.4907

Sweetspot

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



21.8220, 37.8869, 23.3030



64.2831, 80.0658, 78.1052



23.0661, 38.8881, 7.1015



13.3162, 16.9676, 16.2554



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.



21.8220, 37.8869, 23.3030



37.3323, 67.0800, 35.8265



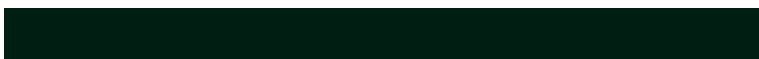
25.4471, 35.6722, 53.6902



9.6314, 10.7387, 11.3083



14.1097, 25.2342, 13.9064



0.5848, 1.0013, 0.7140

Inverse Universe

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



23.3144, 12.2407, 11.7258



40.1213, 20.3905, 15.1073



21.7160, 12.0295, 1.9884



9.6950, 9.6023, 10.7828



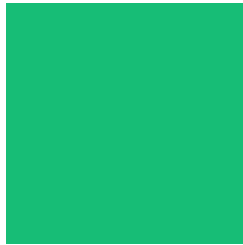
15.1522, 7.6920, 6.0950



0.6263, 0.3144, 0.4114

Previews

White Background



This preview shows how the XYZ color 21.8210, 37.8854, 23.3021 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 21.8210, 37.8854, 23.3021 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 21.8210, 37.8854, 23.3021

Background



This preview shows how black text looks on a background with the XYZ color 21.8210, 37.8854, 23.3021.



This preview shows how white text looks on a background with the XYZ color 21.8210, 37.8854,

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

21.8210, 37.8854, 23.3021

Protanopia

34.3423, 37.0986, 19.5381

Deuteranopia

37.7510, 36.9321, 24.5409



Tritanopia

28.5847, 37.8396, 56.8361

Trichromacy



Original Color

21.8210, 37.8854, 23.3021



Protanomaly

25.8942, 35.1946, 20.7577



Deuteranomaly

27.0609, 34.6064, 23.6658



Tritanomaly

25.2846, 37.3770, 41.9582

Monochromacy



Original Color

21.8210, 37.8854, 23.3021



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.4078, 26.2381, 23.7802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8210, 37.8854, 23.3021 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(23, 189, 118)` looks like.

```
.text, #text, p{  
    color:rgb(23, 189, 118)  
}
```

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(23, 189, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 189, 118) }
```

Border

The CSS property to change the border of an element to XYZ 21.8210, 37.8854, 23.3021 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(23, 189, 118) }
```


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

```
.border{ border-color:rgb(23, 189, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 189, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 189, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 189, 118);  
box-shadow:4px 4px 4px 4px rgb(23, 189,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8210, 37.8854, 23.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 189, 118) }
```

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

```
.background{ background-color: rgb(23, 189,  
118) }
```

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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