

Converting Colors

XYZ(21.0979, 36.5840, 24.3333)

Have a look what the booklet for
XYZ(21.0979, 36.5840, 24.3333)
contains.

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Color

**XYZ(21.0718, 36.5230,
24.3514)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA7A
RGB	0, 186, 122
RGB Percent	0%, 73%, 48%
CMY	0.9999, 0.2706, 0.5216
CMYK	1.00, 0.00, 0.34, 0.27
HSL	159°, 100%, 36%
HSV	159°, 100%, 73%
XYZ	21.0718, 36.5230, 24.3514
YIQ	123.0900, -90.3120, -59.3360

Conversions

Conversions Part 2

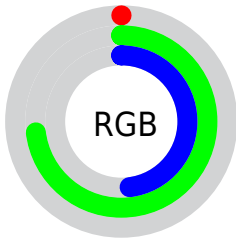
Format	Color
RYB	0, 112, 186
Decimal	47738
CIELab	66.92, -54.79, 21.56
CIELCh	67, 58.878, 158.518
Yxy	36.5230, 0.2571, 0.4457
Android (android.graphics.Color)	4278237818 (0xFF00BA7A)
YUV	123.0900, -0.5374, -107.9499
Hunter-Lab	60.4343, -43.5218, 18.4137

Details

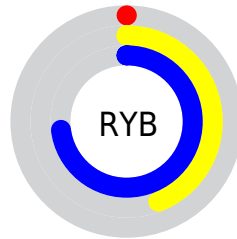
The XYZ color **21.0718, 36.5230, 24.3514** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **21.1766, 10.8102, 5.8236**, and the grayscale version is **18.8817, 19.8650, 21.6329**.

A 20% lighter version of the original color is **44.6123, 69.6831, 51.6563**, and **9.3189, 16.7136, 9.0382** is the 20% darker color. If you saturate the color by 10%, you get **21.0722, 36.5242, 24.3503**, and if you desaturate by 10%, it is **21.7436, 36.8229, 26.5228**.

Distribution



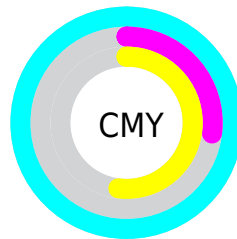
- Red (0%)
- Green (73%)
- Blue (48%)



- Red (0%)
- Yellow (44%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.0718, 36.5230, 24.3514 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 21.0718, 36.5230, 24.3514 by changing the saturation by 10% instead.


 21.0718, 36.5230,
24.3514


 21.0718, 36.5230,
24.3514


250.3843,
331.2407, 287.9358


 13.2893, 24.8384,
15.3799


 44.6974, 69.8385,
51.5540


 7.7064, 15.9567,
8.9369


 61.2711, 92.2383,
70.6222


 3.9579, 9.4935,
4.6038


 81.5060, 118.9785,
93.8931

 1.6783, 5.0645,
1.9621

 105.7673,
150.4436, 121.7851

 0.4426, 2.2851,
0.5318

 134.4204,
187.0180, 154.7168

 0.0000, 0.7658,
0.0000

 167.8307,

 0.0000, 0.0000,

229.0860, 193.1068

0.0000

206.3636,
277.0321, 237.3737

■ 21.0718, 36.5230,
24.3514

■ 21.0718, 36.5230,
24.3514

■ 21.0722, 36.5242,
24.3503

■ 21.7436, 36.8229,
26.5228

■ 22.6897, 37.2602,
28.8452

■ 24.0032, 37.8838,
31.3262

■ 25.7300, 38.7173,
33.9703

■ 27.9088, 39.7805,
36.7817

■ 30.5740, 41.0912,
39.7643

■ 33.7563, 42.6652,
42.9217

■ 37.4840, 44.5169,
46.2576

■ 41.7831, 46.6598,
49.7751

Harmonies

Analogous

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



25.0884, 36.5230, 12.3813



21.0718, 36.5230, 24.3514



20.3612, 36.5230, 47.4982

Triad

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



21.0718, 36.5230, 24.3514



37.3177, 36.5230, 110.8383



49.9417, 36.5230, 16.3456

Complementary

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



21.0718, 36.5230, 24.3514



21.1766, 10.8102, 5.8236

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.



54.5954, 36.5230, 32.9245



21.0718, 36.5230, 24.3514



46.5319, 36.5230, 91.9287

Square

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



21.0718, 36.5230, 24.3514



28.8027, 36.5230, 105.2486



53.2508, 36.5230, 60.6108



41.3834, 36.5230, 9.3300

Rectangle

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



21.0718, 36.5230, 24.3514



21.7162, 36.5230, 68.1407



53.2508, 36.5230, 60.6108



52.0759, 36.5230, 20.6192

Sweetspot

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



21.0728, 36.5244, 24.3522



60.8682, 77.1743, 77.4983



19.7471, 36.2468, 5.9560



12.8446, 16.7180, 16.5252



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.



21.0728, 36.5244, 24.3522



38.0748, 66.1525, 43.5116



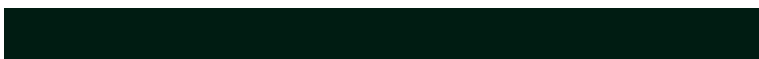
21.1083, 28.0351, 50.7549



9.1318, 10.1567, 10.8515



14.2125, 24.5859, 16.5727



0.5289, 0.8779, 0.7310

Inverse Universe

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



21.1766, 10.8102, 5.8236



38.2792, 19.5517, 10.0135



20.6638, 11.2660, 1.0859



9.1288, 9.0619, 10.0255



14.2782, 7.2850, 4.0857



0.5331, 0.2687, 0.3010

Previews

White Background



This preview shows how the XYZ color 21.0718, 36.5230, 24.3514 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 21.0718, 36.5230, 24.3514 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 21.0718, 36.5230, 24.3514

Background



This preview shows how black text looks on a background with the XYZ color 21.0718, 36.5230, 24.3514.



This preview shows how white text looks on a background with the XYZ color 21.0718, 36.5230,

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

21.0718, 36.5230, 24.3514

Protanopia

33.5242, 36.1245, 20.5350

Deuteranopia

36.4228, 35.7190, 25.7437



Tritanopia

27.4165, 36.3739, 55.4450

Trichromacy



Original Color

21.0718, 36.5230, 24.3514



Protanomaly

24.2708, 33.7663, 21.7613



Deuteranomaly

25.1478, 32.7719, 24.7388



Tritanomaly

24.2108, 35.9040, 42.2133

Monochromacy



Original Color

21.0718, 36.5230, 24.3514



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

16.9959, 23.6075, 22.3998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0718, 36.5230, 24.3514 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, 186, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 122)  
}
```

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, 186, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 122) }
```

Border

The CSS property to change the border of an element to XYZ 21.0718, 36.5230, 24.3514 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, 186, 122) }
```


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

```
.border{ border-color:rgb(0, 186, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0718, 36.5230, 24.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 122) }
```

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

```
.background{ background-color: rgb(0, 186,  
122) }
```

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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