

Converting Colors

XYZ(21.3774, 36.7093, 24.5599)

Have a look what the booklet for
XYZ(21.3774, 36.7093, 24.5599)
contains.

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Color

**XYZ(21.3835, 36.6765,
24.6911)**

Conversions

Conversions Part 1

Format	Color
Hex	12BA7B
RGB	18, 186, 123
RGB Percent	7%, 73%, 48%
CMY	0.9294, 0.2706, 0.5176
CMYK	0.90, 0.00, 0.34, 0.27
HSL	157°, 82%, 40%
HSV	157°, 90%, 73%
XYZ	21.3835, 36.6765, 24.6911
YIQ	128.5860, -79.9050, -55.2090

Conversions

Conversions Part 2

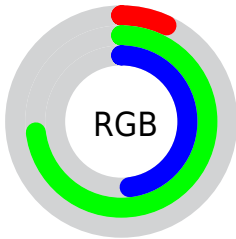
Format	Color
RYB	18, 121, 186
Decimal	1227387
CIELab	67.03, -53.80, 21.20
CIELCh	67, 57.829, 158.494
Yxy	36.6765, 0.2584, 0.4432
Android (android.graphics.Color)	4279417467 (0xFF12BA7B)
YUV	128.5860, -2.7539, -96.9839
Hunter-Lab	60.5611, -42.9555, 18.2199

Details

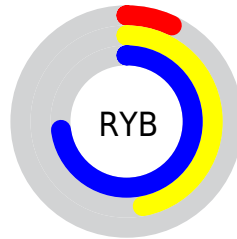
The XYZ color **21.3835, 36.6765, 24.6911** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **21.9525, 11.4666, 8.8428**, and the grayscale version is **20.7522, 21.8330, 23.7761**.

A 20% lighter version of the original color is **45.1426, 69.9451, 52.1958**, and **9.3523, 16.7270, 9.2143** is the 20% darker color. If you saturate the color by 10%, you get **20.7264, 36.3859, 22.5296**, and if you desaturate by 10%, it is **22.3363, 37.1164, 27.0980**.

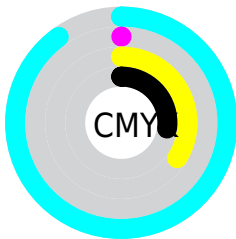
Distribution



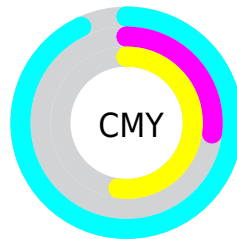
- Red (7%)
- Green (73%)
- Blue (48%)



- Red (7%)
- Yellow (47%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (34%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3835, 36.6765, 24.6911 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 21.3835, 36.6765, 24.6911 by changing the saturation by 10% instead.


 21.3835, 36.6765,
24.6911


 21.3835, 36.6765,
24.6911


252.0029,
331.9078, 289.6944


 13.5187, 24.9571,
15.6301


 45.2114, 70.0750,
52.1135


 7.8661, 16.0451,
9.1113


 61.9052, 92.5228,
71.3121


 4.0605, 9.5561,
4.7160


 82.2727, 119.3156,
94.7270

 1.7364, 5.1056,
2.0258

 106.6792,
150.8378, 122.7766

 0.4789, 2.3094,
0.5711

 135.4901,
187.4737, 155.8797

 0.0000, 0.7787,
0.0000

169.0708,

 0.0000, 0.0000,

229.6078, 194.4546

0.0000

207.7866,
277.6243, 238.9200

■ 21.3835, 36.6765,
24.6911

■ 21.3835, 36.6765,
24.6911

■ 20.7264, 36.3859,
22.5296

■ 22.3363, 37.1164,
27.0980

■ 23.6586, 37.7421,
29.6872

■ 25.3975, 38.5789,
32.4647

■ 27.5924, 39.6469,
35.4356

■ 30.2776, 40.9638,
38.6043

■ 33.4842, 42.5456,
41.9754

■ 37.2406, 44.4068,
45.5529

■ 41.5731, 46.5609,
49.3409

■ 46.5063, 49.0206,
53.3433

Harmonies

Analogous

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



25.3644, 36.6765, 12.7709



21.3835, 36.6765, 24.6911



20.6760, 36.6765, 47.5179

Triad

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



21.3835, 36.6765, 24.6911



37.4160, 36.6765, 109.4659



49.8283, 36.6765, 16.7511

Complementary

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



21.3835, 36.6765, 24.6911



21.9525, 11.4666, 8.8428

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.



54.3853, 36.6765, 33.2041



21.3835, 36.6765, 24.6911



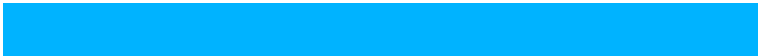
46.4710, 36.6765, 91.0476

Square

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



21.3835, 36.6765, 24.6911



29.0250, 36.6765, 104.0004



53.0631, 36.6765, 60.4321



41.4287, 36.6765, 9.7112

Rectangle

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



21.3835, 36.6765, 24.6911



22.0182, 36.6765, 67.7569



53.0631, 36.6765, 60.4321



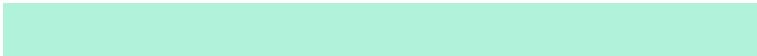
51.9194, 36.6765, 21.0104

Sweetspot

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



21.3845, 36.6780, 24.6920



62.5406, 78.0292, 77.9032



21.1840, 36.9750, 6.5930



13.2880, 16.9436, 16.6770



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.



21.3845, 36.6780, 24.6920



37.4452, 65.9006, 40.1958



22.8226, 31.0935, 51.2549



9.1200, 10.1520, 10.7892



13.9808, 24.4933, 15.3528



0.5218, 0.8750, 0.6937

Inverse Universe

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



21.9525, 11.4666, 8.8428



38.5856, 19.6742, 11.6272



21.0404, 11.8445, 1.7499



9.1402, 9.0664, 10.0856



14.3956, 7.3320, 4.7042



0.5379, 0.2706, 0.3261

Previews

White Background



This preview shows how the XYZ color 21.3835, 36.6765, 24.6911 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 21.3835, 36.6765, 24.6911 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 21.3835, 36.6765, 24.6911

Background



This preview shows how black text looks on a background with the XYZ color 21.3835, 36.6765, 24.6911.



This preview shows how white text looks on a background with the XYZ color 21.3835, 36.6765,

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

21.3835, 36.6765, 24.6911

Protanopia

33.5802, 36.1469, 20.8300

Deuteranopia

36.4896, 35.7458, 26.0955



Tritanopia

27.4833, 36.4083, 55.4482

Trichromacy



Original Color

21.3835, 36.6765, 24.6911



Protanomaly

25.2450, 34.2617, 22.1122



Deuteranomaly

26.0712, 33.2404, 25.1206



Tritanomaly

24.5629, 36.0855, 42.2298

Monochromacy



Original Color

21.3835, 36.6765, 24.6911



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.8569, 25.4688, 24.0008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3835, 36.6765, 24.6911 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(18, 186, 123)` looks like.

```
.text, #text, p{  
    color:rgb(18, 186, 123)  
}
```

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(18, 186, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 186, 123) }
```

Border

The CSS property to change the border of an element to XYZ 21.3835, 36.6765, 24.6911 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(18, 186, 123) }
```


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

```
.border{ border-color:rgb(18, 186, 123) }
```

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

Here you see how a box with a 4 pixel rgb(18, 186, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 186, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 186, 123);  
box-shadow:4px 4px 4px 4px rgb(18, 186,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3835, 36.6765, 24.6911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 186, 123) }
```

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

```
.background{ background-color: rgb(18, 186,  
123) }
```

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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