

Converting Colors

XYZ(21.2347, 36.6387, 25.0534)

Have a look what the booklet for
XYZ(21.2347, 36.6387, 25.0534)
contains.

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Color

**XYZ(21.1970, 36.5730,
25.0109)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA7C
RGB	0, 186, 124
RGB Percent	0%, 73%, 49%
CMY	0.9999, 0.2706, 0.5137
CMYK	1.00, 0.00, 0.33, 0.27
HSL	160°, 100%, 36%
HSV	160°, 100%, 73%
XYZ	21.1970, 36.5730, 25.0109
YIQ	123.3180, -90.9540, -58.7140

Conversions

Conversions Part 2

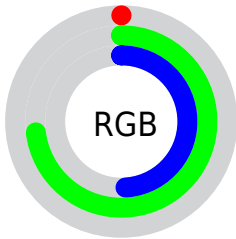
Format	Color
RYB	0, 112, 186
Decimal	47740
CIELab	66.96, -54.35, 20.54
CIELCh	67, 58.105, 159.298
Yxy	36.5730, 0.2561, 0.4418
Android (android.graphics.Color)	4278237820 (0xFF00BA7C)
YUV	123.3180, 0.3362, -108.1499
Hunter-Lab	60.4756, -43.2672, 17.8124

Details

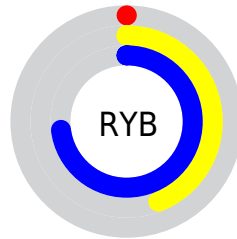
The XYZ color **21.1970, 36.5730, 25.0109** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **21.1206, 10.7879, 5.5293**, and the grayscale version is **18.9545, 19.9416, 21.7164**.

A 20% lighter version of the original color is **44.8103, 69.7623, 52.6987**, and **9.3863, 16.7406, 9.3932** is the 20% darker color. If you saturate the color by 10%, you get **21.1974, 36.5742, 25.0097**, and if you desaturate by 10%, it is **21.8636, 36.8708, 27.1549**.

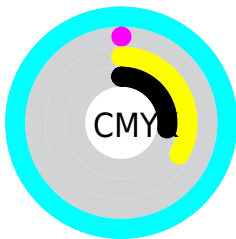
Distribution



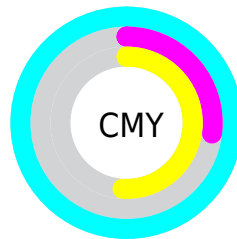
- Red (0%)
- Green (73%)
- Blue (49%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1970, 36.5730, 25.0109 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 21.1970, 36.5730, 25.0109 by changing the saturation by 10% instead.


 21.1970, 36.5730,
25.0109


 21.1970, 36.5730,
25.0109


251.0355,
331.4581, 291.3416


 13.3814, 24.8771,
15.8661


 44.9040, 69.9156,
52.6392


 7.7705, 15.9855,
9.2761


 61.5260, 92.3310,
71.9599


 3.9990, 9.5139,
4.8224


 81.8143, 119.0883,
95.5095

 1.7016, 5.0779,
2.0866

 106.1340,
150.5720, 123.7066

 0.4573, 2.2930,
0.6077

 134.8507,
187.1665, 156.9699

 0.0000, 0.7700,
0.0000

 168.3296,

 0.0000, 0.0000,

229.2560, 195.7178

0.0000

206.9361,
277.2251, 240.3689

■ 21.1970, 36.5730,
25.0109

■ 21.1970, 36.5730,
25.0109

■ 21.1974, 36.5742,
25.0097

■ 21.8636, 36.8708,
27.1549

■ 22.8030, 37.3055,
29.4420

■ 24.1083, 37.9258,
31.8794

■ 25.8252, 38.7553,
34.4715

■ 27.9926, 39.8140,
37.2222

■ 30.6446, 41.1194,
40.1353

■ 33.8120, 42.6874,
43.2141

■ 37.5230, 44.5324,
46.4620

■ 41.8036, 46.6679,
49.8822

Harmonies

Analogous

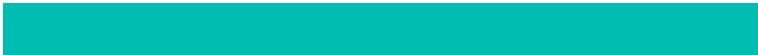
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.0953, 36.5730, 12.8341



21.1970, 36.5730, 25.0109



20.5764, 36.5730, 48.1890

Triad

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



21.1970, 36.5730, 25.0109



37.5720, 36.5730, 109.4851



49.5939, 36.5730, 16.3140

Complementary

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



21.1970, 36.5730, 25.0109



21.1206, 10.7879, 5.5293

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.



54.3105, 36.5730, 32.4839



21.1970, 36.5730, 25.0109



46.6370, 36.5730, 90.4246

Square

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



21.1970, 36.5730, 25.0109



29.1084, 36.5730, 104.6590



53.1454, 36.5730, 59.5606



41.1030, 36.5730, 9.4897

Rectangle

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



21.1970, 36.5730, 25.0109



21.9783, 36.5730, 68.6056



53.1454, 36.5730, 59.5606



51.7335, 36.5730, 20.4807

Sweetspot

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



21.1980, 36.5744, 25.0118



60.9703, 77.2151, 78.0357



19.7471, 36.2468, 5.9561



12.8696, 16.7280, 16.6573



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.



21.1980, 36.5744, 25.0118



38.3031, 66.2438, 44.7138



21.1083, 28.0350, 50.7548



9.1359, 10.1583, 10.8732



14.2963, 24.6195, 17.0141



0.5314, 0.8789, 0.7443

Inverse Universe

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



21.1206, 10.7879, 5.5293



38.1800, 19.5120, 9.4909



20.6638, 11.2660, 1.0860



9.1248, 9.0603, 10.0046



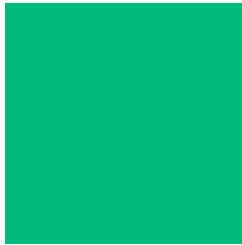
14.2399, 7.2697, 3.8844



0.5315, 0.2681, 0.2923

Previews

White Background



This preview shows how the XYZ color 21.1970, 36.5730, 25.0109 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 21.1970, 36.5730, 25.0109 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 21.1970, 36.5730, 25.0109

Background



This preview shows how black text looks on a background with the XYZ color 21.1970, 36.5730, 25.0109.



This preview shows how white text looks on a background with the XYZ color 21.1970, 36.5730,

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

21.1970, 36.5730, 25.0109

Protanopia

33.5802, 36.1469, 20.8300

Deuteranopia

36.5571, 35.7727, 26.4508



Tritanopia

27.5492, 36.7365, 55.5080

Trichromacy



Original Color

21.1970, 36.5730, 25.0109



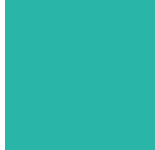
Protanomaly

24.3293, 33.7897, 22.0694



Deuteranomaly

25.2782, 32.8240, 25.4254



Tritanomaly

24.4134, 36.3092, 42.2809

Monochromacy



Original Color

21.1970, 36.5730, 25.0109



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 21.1970, 36.5730, 25.0109 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 124) }
```

Border

The CSS property to change the border of an element to XYZ 21.1970, 36.5730, 25.0109 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, 124) }
```


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

```
.border{ border-color:rgb(0, 186, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1970, 36.5730, 25.0109 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, 124) }
```

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

```
.background{ background-color: rgb(0, 186,  
124) }
```

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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