

Converting Colors

XYZ(17.7983, 34.9222, 26.1114)

Have a look what the booklet for
XYZ(17.7983, 34.9222, 26.1114)
contains.

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Color

**XYZ(21.4552, 36.6763,
26.3705)**

Conversions

Conversions Part 1

Format	Color
Hex	00BA80
RGB	0, 186, 128
RGB Percent	0%, 73%, 50%
CMY	0.9999, 0.2706, 0.4980
CMYK	1.00, 0.00, 0.31, 0.27
HSL	161°, 100%, 36%
HSV	161°, 100%, 73%
XYZ	21.4552, 36.6763, 26.3705
YIQ	123.7740, -92.2380, -57.4700

Conversions

Conversions Part 2

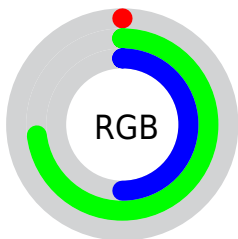
Format	Color
RYB	0, 110, 186
Decimal	47744
CIELab	67.03, -53.46, 18.49
CIELCh	67, 56.572, 160.918
Yxy	36.6763, 0.2539, 0.4340
Android (android.graphics.Color)	4278237824 (0xFF00BA80)
YUV	123.7740, 2.0834, -108.5498
Hunter-Lab	60.5610, -42.7437, 16.5756

Details

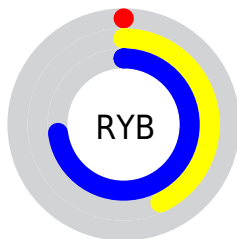
The XYZ color **21.4552, 36.6763, 26.3705** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **21.0149, 10.7456, 4.9722**, and the grayscale version is **19.1006, 20.0953, 21.8838**.

A 20% lighter version of the original color is **45.2150, 69.9242, 54.8297**, and **9.5276, 16.7971, 10.1371** is the 20% darker color. If you saturate the color by 10%, you get **21.4555, 36.6775, 26.3693**, and if you desaturate by 10%, it is **22.1100, 36.9694, 28.4526**.

Distribution



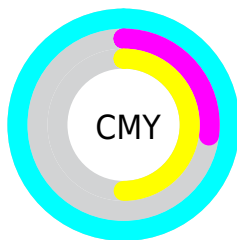
- Red (0%)
- Green (73%)
- Blue (50%)



- Red (0%)
- Yellow (43%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4552, 36.6763, 26.3705 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 21.4552, 36.6763, 26.3705 by changing the saturation by 10% instead.

■ 21.4552, 36.6763,
26.3705

■ 21.4552, 36.6763,
26.3705

■ 252.3740,
331.9069, 298.2593

■ 13.5715, 24.9570,
16.8728

■ 45.3295, 70.0747,
54.8635

■ 7.9029, 16.0450,
9.9828

■ 62.0508, 92.5225,
74.6958

■ 4.0842, 9.5560,
5.2821

■ 82.4486, 119.3152,
98.8100

■ 1.7499, 5.1056,
2.3521

■ 106.8884,
150.8373, 127.6247

■ 0.4872, 2.3093,
0.7602

■ 135.7355,
187.4731, 161.5585

■ 0.0000, 0.7786,
0.0000

■ 169.3552,

■ 0.0000, 0.0000,

229.6071, 201.0298

0.0000

208.1130,
277.6236, 246.4572

■ 21.4552, 36.6763,
26.3705

■ 21.4552, 36.6763,
26.3705

■ 21.4555, 36.6775,
26.3693

■ 22.1100, 36.9694,
28.4526

■ 23.0348, 37.3982,
30.6623

■ 24.3224, 38.0115,
33.0067

■ 26.0186, 38.8327,
35.4895

■ 28.1621, 39.8818,
38.1144

■ 30.7870, 41.1764,
40.8845

■ 33.9240, 42.7322,
43.8030

■ 37.6012, 44.5638,
46.8729

■ 41.8446, 46.6844,
50.0969

Harmonies

Analogous

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



25.1150, 36.6763, 13.7796



21.4552, 36.6763, 26.3705



21.0175, 36.6763, 49.5885

Triad

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



21.4552, 36.6763, 26.3705



38.0852, 36.6763, 106.7879



48.9022, 36.6763, 16.2598

Complementary

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



21.4552, 36.6763, 26.3705



21.0149, 10.7456, 4.9722

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.



53.7402, 36.6763, 31.6222



21.4552, 36.6763, 26.3705



46.8462, 36.6763, 87.4532

Square

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



21.4552, 36.6763, 26.3705



29.7300, 36.6763, 103.4621



52.9314, 36.6763, 57.4969



40.5480, 36.6763, 9.8224

Rectangle

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



21.4552, 36.6763, 26.3705



22.5145, 36.6763, 69.5315



52.9314, 36.6763, 57.4969



51.0511, 36.6763, 20.2144

Sweetspot

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



21.4562, 36.6777, 26.3714



61.1758, 77.2973, 79.1182



19.3582, 36.0463, 5.9379



12.9202, 16.7482, 16.9235



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.



21.4562, 36.6777, 26.3714



38.7741, 66.4322, 47.1938



20.0765, 25.9714, 50.4109



9.1442, 10.1617, 10.9168



14.4690, 24.6886, 17.9237



0.5366, 0.8809, 0.7715

Inverse Universe

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



21.0149, 10.7456, 4.9722



37.9927, 19.4371, 8.5047



20.8259, 11.5902, 1.1400



9.1169, 9.0571, 9.9629



14.1675, 7.2407, 3.5027



0.5282, 0.2668, 0.2748

Previews

White Background



This preview shows how the XYZ color 21.4552, 36.6763, 26.3705 looks on a white background.

Color Contrast Check

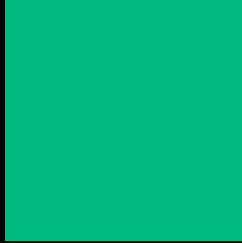
Large Text (above 18pt) WCAG AA × Fail

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 21.4552, 36.6763, 26.3705 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 21.4552, 36.6763, 26.3705

Background



This preview shows how black text looks on a background with the XYZ color 21.4552, 36.6763, 26.3705.



This preview shows how white text looks on a background with the XYZ color 21.4552, 36.6763,

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

21.4552, 36.6763, 26.3705

Protanopia

33.5868, 36.1237, 22.0320

Deuteranopia

36.7552, 36.0910, 27.9507



Tritanopia

27.4847, 36.7033, 55.5050

Trichromacy



Original Color

21.4552, 36.6763, 26.3705



Protanomaly

24.5696, 33.8858, 23.3348



Deuteranomaly

25.5913, 33.2253, 26.8941



Tritanomaly

24.5604, 36.3634, 43.2605

Monochromacy



Original Color

21.4552, 36.6763, 26.3705



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.3598, 24.0104, 23.1215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4552, 36.6763, 26.3705 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 128) }
```

Border

The CSS property to change the border of an element to XYZ 21.4552, 36.6763, 26.3705 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, 128) }
```


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

```
.border{ border-color:rgb(0, 186, 128) }
```

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, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4552, 36.6763, 26.3705 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, 128) }
```

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

```
.background{ background-color: rgb(0, 186,  
128) }
```

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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