

Converting Colors

XYZ(16.6225, 33.4074, 29.4534)

Have a look what the booklet for
XYZ(16.6225, 33.4074, 29.4534)
contains.

XYZ(21.7279, 36.1160, 29.8707)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.7279, 36.1160,
29.8707)**

Conversions

Conversions Part 1

Format	Color
Hex	00B88A
RGB	0, 184, 138
RGB Percent	0%, 72%, 54%
CMY	1.0000, 0.2784, 0.4588
CMYK	1.00, 0.00, 0.25, 0.28
HSL	165°, 100%, 36%
HSV	165°, 100%, 72%
XYZ	21.7279, 36.1160, 29.8707
YIQ	123.7400, -94.8980, -53.3140

Conversions

Conversions Part 2

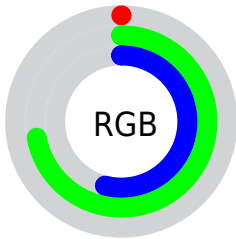
Format	Color
RYB	0, 105, 184
Decimal	47242
CIELab	66.61, -50.35, 12.47
CIELCh	67, 51.869, 166.085
Yxy	36.1160, 0.2477, 0.4117
Android (android.graphics.Color)	4278237322 (0xFF00B88A)
YUV	123.7400, 7.0302, -108.5200
Hunter-Lab	60.0966, -40.6324, 12.5978

Details

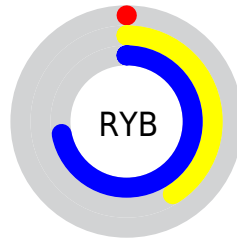
The XYZ color **21.7279, 36.1160, 29.8707** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.2615, 10.3884, 3.5235**, and the grayscale version is **19.0734, 20.0667, 21.8526**.

A 20% lighter version of the original color is **45.6831, 69.1590, 60.2315**, and **9.7441, 16.6698, 11.9366** is the 20% darker color. If you saturate the color by 10%, you get **21.7285, 36.1172, 29.8703**, and if you desaturate by 10%, it is **22.3262, 36.3860, 31.6754**.

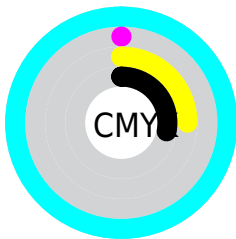
Distribution



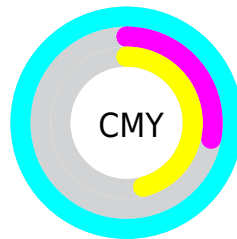
- Red (0%)
- Green (72%)
- Blue (54%)



- Red (0%)
- Yellow (41%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7279, 36.1160, 29.8707 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 21.7279, 36.1160, 29.8707 by changing the saturation by 10% instead.


 21.7279, 36.1160,
29.8707


 21.7279, 36.1160,
29.8707

253.7811,
329.4673, 315.4898


 13.7726, 24.5238,
19.4892


 45.7781, 69.2111,
60.5162


 8.0433, 15.7226,
11.8439


 62.6036, 91.4827,
81.6174


 4.1747, 9.3281,
6.5163


 83.1167, 118.0830,
107.1288

 1.8014, 4.9558,
3.0876

 107.6825,
149.3963, 137.4692

 0.5185, 2.2213,
1.1396

 136.6665,
185.8069, 173.0569

 0.0000, 0.7316,
0.0000

 170.4341,

 0.0000, 0.0000,

227.6994, 214.3105

0.0000

209.3505,
275.4580, 261.6487

■ 21.7279, 36.1160,
29.8707

■ 21.7279, 36.1160,
29.8707

■ 21.7285, 36.1172,
29.8703

■ 22.3262, 36.3860,
31.6754

■ 23.1798, 36.7851,
33.5658

■ 24.3798, 37.3611,
35.5478

■ 25.9706, 38.1369,
37.6243

■ 27.9896, 39.1317,
39.7981

■ 30.4700, 40.3626,
42.0713

■ 33.4414, 41.8450,
44.4463

■ 36.9312, 43.5928,
46.9251

■ 40.9644, 45.6189,
49.5097

Harmonies

Analogous

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



24.6150, 36.1160, 16.4186



21.7279, 36.1160, 29.8707



21.8365, 36.1160, 52.4688

Triad

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



21.7279, 36.1160, 29.8707



38.6534, 36.1160, 96.7349



45.8187, 36.1160, 15.7844

Complementary

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



21.7279, 36.1160, 29.8707



20.2615, 10.3884, 3.5235

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.



50.8529, 36.1160, 28.5816



21.7279, 36.1160, 29.8707



46.3073, 36.1160, 77.2834

Square

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



21.7279, 36.1160, 29.8707



30.8445, 36.1160, 97.5042



51.0442, 36.1160, 50.5874



38.0626, 36.1160, 10.6265

Rectangle

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



21.7279, 36.1160, 29.8707



23.5751, 36.1160, 70.4441



51.0442, 36.1160, 50.5874



47.9337, 36.1160, 19.0594

Sweetspot

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



21.7289, 36.1174, 29.8715



60.3231, 75.7045, 80.3444



18.4116, 34.9372, 5.7735



12.4989, 16.0679, 16.9283



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7289, 36.1174, 29.8715



39.2866, 65.4296, 53.6158



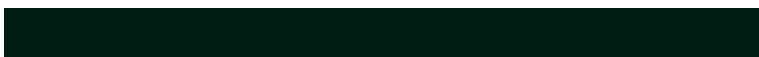
18.1877, 22.5319, 48.7396



9.1681, 10.1712, 11.0427



15.0040, 24.9025, 20.7407



0.5521, 0.8872, 0.8534

Inverse Universe

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



20.2615, 10.3884, 3.5235



36.6472, 18.7983, 5.9622



20.6298, 11.9144, 1.2128



9.0943, 9.0481, 9.8438



13.9878, 7.1689, 2.5565



0.5187, 0.2630, 0.2248

Previews

White Background



This preview shows how the XYZ color 21.7279, 36.1160, 29.8707 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 21.7279, 36.1160, 29.8707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

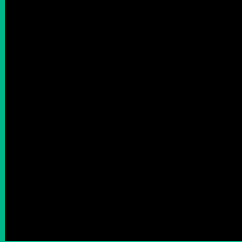
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7279, 36.1160, 29.8707

Background



This preview shows how black text looks on a background with the XYZ color 21.7279, 36.1160, 29.8707.

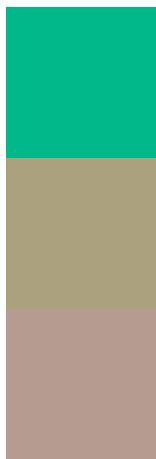


This preview shows how white text looks on a background with the XYZ color 21.7279, 36.1160,

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

21.7279, 36.1160, 29.8707

Protanopia

33.3702, 35.6800, 25.2068

Deuteranopia

36.0468, 35.4014, 31.3188



Tritanopia

26.9297, 36.1357, 54.8458

Trichromacy



Original Color

21.7279, 36.1160, 29.8707



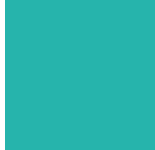
Protanomaly

24.5914, 33.2658, 26.5976



Deuteranomaly

25.7212, 32.9384, 30.5933



Tritanomaly

24.5670, 36.0331, 44.6900

Monochromacy



Original Color

21.7279, 36.1160, 29.8707



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.4658, 23.8050, 24.4432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7279, 36.1160, 29.8707 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, 184, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 138)  
}
```

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, 184, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 138) }
```

Border

The CSS property to change the border of an element to XYZ 21.7279, 36.1160, 29.8707 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, 184, 138) }
```


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

```
.border{ border-color:rgb(0, 184, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7279, 36.1160, 29.8707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 138) }
```

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

```
.background{ background-color: rgb(0, 184,  
138) }
```

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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