

Converting Colors

XYZ(13.6221, 31.5784, 30.0488)

Have a look what the booklet for
XYZ(13.6221, 31.5784, 30.0488)
contains.

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Color

**XYZ(21.6671, 35.7604,
30.5714)**

Conversions

Conversions Part 1

Format	Color
Hex	00B78C
RGB	0, 183, 140
RGB Percent	0%, 72%, 55%
CMY	0.9999, 0.2823, 0.4510
CMYK	1.00, 0.00, 0.23, 0.28
HSL	166°, 100%, 36%
HSV	166°, 100%, 72%
XYZ	21.6671, 35.7604, 30.5714
YIQ	123.3810, -95.2650, -52.1690

Conversions

Conversions Part 2

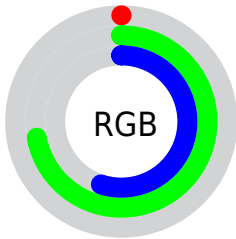
Format	Color
RYB	0, 104, 183
Decimal	46988
CIELab	66.34, -49.46, 11.00
CIELCh	66, 50.667, 167.465
Yxy	35.7604, 0.2462, 0.4064
Android (android.graphics.Color)	4278237068 (0xFF00B78C)
YUV	123.3810, 8.1932, -108.2051
Hunter-Lab	59.8000, -39.9748, 11.5493

Details

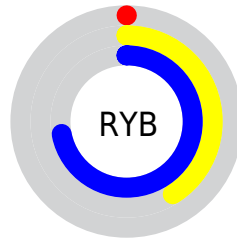
The XYZ color **21.6671, 35.7604, 30.5714** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.9658, 10.2427, 3.2123**, and the grayscale version is **18.9514, 19.9383, 21.7128**.

A 20% lighter version of the original color is **45.7216, 68.7020, 61.8900**, and **9.6957, 16.4387, 12.3348** is the 20% darker color. If you saturate the color by 10%, you get **21.6675, 35.7615, 30.5704**, and if you desaturate by 10%, it is **22.2467, 36.0227, 32.2874**.

Distribution



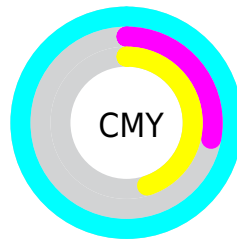
- Red (0%)
- Green (72%)
- Blue (55%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (28%)



- Cyan (100%)
- Magenta (28%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6671, 35.7604, 30.5714 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 21.6671, 35.7604, 30.5714 by changing the saturation by 10% instead.

■ 21.6671, 35.7604,
30.5714

■ 21.6671, 35.7604,
30.5714

■ 253.4680,
327.9121, 318.8487

■ 13.7277, 24.2492,
20.0170

■ 45.6781, 68.6621,
61.6363

■ 8.0120, 15.5186,
12.2232

■ 62.4805, 90.8214,
82.9838

■ 4.1545, 9.1841,
6.7715

■ 82.9679, 117.2988,
108.7662

■ 1.7899, 4.8615,
3.2433

■ 107.5057,
148.4788, 139.4019

■ 0.5116, 2.1662,
1.2202

■ 136.4593,
184.7457, 175.3094

■ 0.0000, 0.7015,
0.0000

■ 170.1939,

■ 0.0000, 0.0000,

226.4840, 216.9074

0.0000

209.0750,
274.0780, 264.6143

■ 21.6671, 35.7604,
30.5714

■ 21.6671, 35.7604,
30.5714

■ 21.6675, 35.7615,
30.5704

■ 22.2467, 36.0227,
32.2874

■ 23.0766, 36.4118,
34.0797

■ 24.2471, 36.9749,
35.9541

■ 25.8018, 37.7346,
37.9133

■ 27.7777, 38.7100,
39.9597

■ 30.2074, 39.9178,
42.0956

■ 33.1203, 41.3731,
44.3229

■ 36.5431, 43.0898,
46.6436

■ 40.5006, 45.0807,
49.0595

Harmonies

Analogous

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



24.3511, 35.7604, 17.0057



21.6671, 35.7604, 30.5714



21.9081, 35.7604, 52.8380

Triad

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



21.6671, 35.7604, 30.5714



38.5482, 35.7604, 93.7831



44.8110, 35.7604, 15.5872

Complementary

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



21.6671, 35.7604, 30.5714



19.9658, 10.2427, 3.2123

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.



49.8525, 35.7604, 27.7167



21.6671, 35.7604, 30.5714



45.8842, 35.7604, 74.4697

Square

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



21.6671, 35.7604, 30.5714



30.9266, 35.7604, 95.4610



50.2721, 35.7604, 48.7044



37.2475, 35.7604, 10.7719

Rectangle

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



21.6671, 35.7604, 30.5714



23.6944, 35.7604, 70.2014



50.2721, 35.7604, 48.7044



46.9026, 35.7604, 18.6842

Sweetspot

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



21.6681, 35.7618, 30.5722



59.0300, 73.9530, 79.1728



18.0504, 34.4436, 5.6975



12.5339, 16.0819, 17.1129



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.



21.6681, 35.7618, 30.5722



38.7112, 64.0087, 54.2565



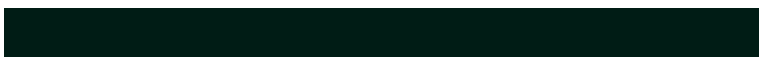
17.5301, 21.3837, 48.0049



9.1740, 10.1736, 11.0735



15.1426, 24.9580, 21.4706



0.5561, 0.8887, 0.8742

Inverse Universe

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



19.9658, 10.2427, 3.2123



35.6824, 18.3133, 5.3611



20.4971, 12.0034, 1.2372



9.0888, 9.0459, 9.8150



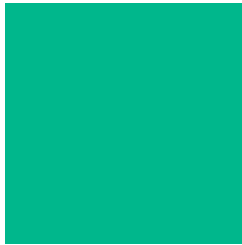
13.9504, 7.1539, 2.3594



0.5164, 0.2620, 0.2127

Previews

White Background



This preview shows how the XYZ color 21.6671, 35.7604, 30.5714 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 21.6671, 35.7604, 30.5714 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 21.6671, 35.7604, 30.5714

Background



This preview shows how black text looks on a background with the XYZ color 21.6671, 35.7604, 30.5714.

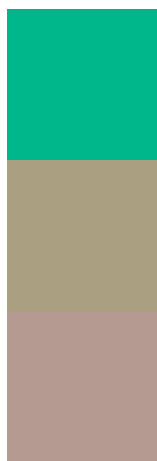


This preview shows how white text looks on a background with the XYZ color 21.6671, 35.7604,

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

21.6671, 35.7604, 30.5714

Protanopia

33.1108, 35.2726, 25.8321

Deuteranopia

35.8000, 35.0103, 32.0649



Tritanopia

26.6742, 35.7118, 54.7774

Trichromacy



Original Color

21.6671, 35.7604, 30.5714



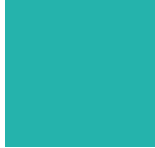
Protanomaly

24.4206, 32.8869, 27.2510



Deuteranomaly

25.5594, 32.5687, 31.3248



Tritanomaly

24.3294, 35.6121, 44.6212

Monochromacy



Original Color

21.6671, 35.7604, 30.5714



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.2297, 23.4555, 24.3881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6671, 35.7604, 30.5714 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, 183, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 140)  
}
```

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, 183, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 140) }
```

Border

The CSS property to change the border of an element to XYZ 21.6671, 35.7604, 30.5714 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, 183, 140) }
```


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

```
.border{ border-color:rgb(0, 183, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6671, 35.7604, 30.5714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 140) }
```

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

```
.background{ background-color: rgb(0, 183,  
140) }
```

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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