

Converting Colors

XYZ(21.6330, 34.1609, 30.6310)

Have a look what the booklet for
XYZ(21.6330, 34.1609, 30.6310)
contains.

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Color

**XYZ(21.6830, 34.2561,
30.6686)**

Conversions

Conversions Part 1

Format	Color
Hex	2AB28D
RGB	42, 178, 141
RGB Percent	16%, 70%, 55%
CMY	0.8353, 0.3019, 0.4471
CMYK	0.76, 0.00, 0.21, 0.30
HSL	164°, 62%, 43%
HSV	164°, 76%, 70%
XYZ	21.6830, 34.2561, 30.6686
YIQ	133.1180, -69.1790, -40.3390

Conversions

Conversions Part 2

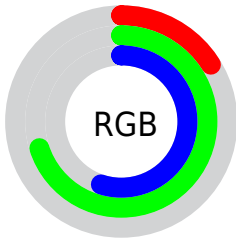
Format	Color
RYB	42, 121, 178
Decimal	2798221
CIELab	65.17, -44.34, 8.84
CIELCh	65, 45.210, 168.726
Yxy	34.2561, 0.2504, 0.3955
Android (android.graphics.Color)	4280988301 (0xFF2AB28D)
YUV	133.1180, 3.8858, -79.9105
Hunter-Lab	58.5287, -36.2968, 9.9026

Details

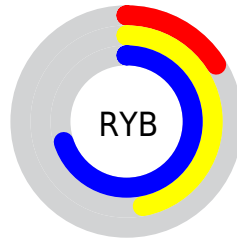
The XYZ color **21.6830, 34.2561, 30.6686** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.6006, 11.6864, 8.5688**, and the grayscale version is **22.3429, 23.5064, 25.5985**.

A 20% lighter version of the original color is **45.8653, 66.6080, 62.0690**, and **9.0960, 15.1706, 12.3463** is the 20% darker color. If you saturate the color by 10%, you get **20.7578, 33.8207, 28.7857**, and if you desaturate by 10%, it is **22.9491, 34.8671, 32.6513**.

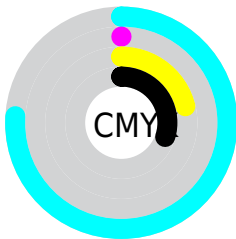
Distribution



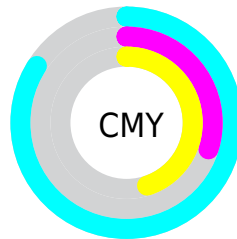
- Red (16%)
- Green (70%)
- Blue (55%)



- Red (16%)
- Yellow (47%)
- Blue (70%)



- Cyan (76%)
- Magenta (0%)
- Yellow (21%)
- Black (30%)





- Cyan (84%)
- Magenta (30%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6830, 34.2561, 30.6686 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 21.6830, 34.2561, 30.6686 by changing the saturation by 10% instead.


 21.6830, 34.2561,
30.6686

 21.6830, 34.2561,
30.6686


253.5499,
321.2725, 319.3124


 13.7395, 23.0904,
20.0903


 45.7043, 66.3317,
61.7914


 8.0202, 14.6603,
12.2760


 62.5127, 88.0105,
83.1729


 4.1598, 8.5813,
6.8071


 83.0068, 113.9623,
108.9926

 1.7929, 4.4691,
3.2651

 107.5520,
144.5717, 139.6690

 0.5134, 1.9393,
1.2316

 136.5135,
180.2230, 175.6207

 0.0000, 0.5718,
0.0047

170.2567,

 0.0000, 0.0000,

221.3007, 217.2661

0.0000

209.1471,
268.1890, 265.0238

■ 21.6830, 34.2561,
30.6686

■ 21.6830, 34.2561,
30.6686

■ 20.7578, 33.8207,
28.7857

■ 22.9491, 34.8671,
32.6513

■ 20.1193, 33.5305,
26.9966

■ 24.5914, 35.6693,
34.7341

■ 19.9216, 33.4421,
26.3739

■ 26.6439, 36.6812,
36.9204

■ 29.1358, 37.9176,
39.2126

■ 32.0937, 39.3924,
41.6129

■ 35.5420, 41.1181,
44.1233

■ 39.5033, 43.1063,
46.7458

■ 43.9988, 45.3679,
49.4824

■ 49.0486, 47.9132,
52.3349

Harmonies

Analogous

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



23.9643, 34.2561, 18.1734



21.6830, 34.2561, 30.6686



22.0084, 34.2561, 50.1499

Triad

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



21.6830, 34.2561, 30.6686



36.7822, 34.2561, 83.0788



41.6160, 34.2561, 16.1930

Complementary

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



21.6830, 34.2561, 30.6686



20.6006, 11.6864, 8.5688

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.



46.0365, 34.2561, 26.8556



21.6830, 34.2561, 30.6686



42.9972, 34.2561, 66.5889

Square

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



21.6830, 34.2561, 30.6686



30.1535, 34.2561, 85.1700



46.5734, 34.2561, 44.8223



35.0900, 34.2561, 11.8928

Rectangle

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



21.6830, 34.2561, 30.6686



23.6714, 34.2561, 64.7929



46.5734, 34.2561, 44.8223



43.4330, 34.2561, 18.9466

Sweetspot

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



21.6839, 34.2574, 30.6694



59.9802, 72.3241, 76.8055



19.6930, 33.7382, 7.6654



12.8196, 15.7890, 16.6610



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.6839, 34.2574, 30.6694



36.7674, 60.9301, 49.8495



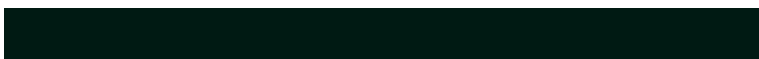
19.6657, 25.0556, 45.9207



8.6420, 9.5913, 10.3745



14.2810, 23.9384, 19.0145



0.4723, 0.7624, 0.7189

Inverse Universe

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



20.6006, 11.6864, 8.5688



34.8477, 18.1462, 8.6222



21.0622, 14.1994, 3.8219



8.5882, 8.5420, 9.3299



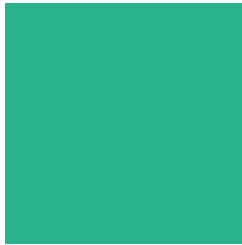
13.5482, 6.9368, 2.7806



0.4514, 0.2283, 0.2195

Previews

White Background



This preview shows how the XYZ color 21.6830, 34.2561, 30.6686 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 21.6830, 34.2561, 30.6686 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

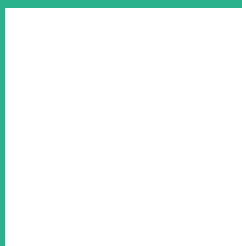
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6830, 34.2561, 30.6686

Background



This preview shows how black text looks on a background with the XYZ color 21.6830, 34.2561, 30.6686.



This preview shows how white text looks on a background with the XYZ color 21.6830, 34.2561,

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

21.6830, 34.2561, 30.6686

Protanopia

31.8121, 33.8326, 25.9728

Deuteranopia

34.3992, 33.7932, 32.3135



Tritanopia

25.9302, 34.2435, 51.6974

Trichromacy



Original Color

21.6830, 34.2561, 30.6686



Protanomaly

25.6434, 32.6964, 27.5138



Deuteranomaly

26.6081, 32.0461, 31.5712



Tritanomaly

24.1367, 34.0739, 43.3350

Monochromacy



Original Color

21.6830, 34.2561, 30.6686



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.4469, 25.9818, 27.2299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6830, 34.2561, 30.6686 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(42, 178, 141)` looks like.

```
.text, #text, p{  
    color:rgb(42, 178, 141)  
}
```

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(42, 178, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 178, 141) }
```

Border

The CSS property to change the border of an element to XYZ 21.6830, 34.2561, 30.6686 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(42, 178, 141) }
```


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

```
.border{ border-color:rgb(42, 178, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 178, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 178, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 178, 141);  
box-shadow:4px 4px 4px 4px rgb(42, 178,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6830, 34.2561, 30.6686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 178, 141) }
```

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

```
.background{ background-color: rgb(42, 178,  
141) }
```

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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