

Converting Colors

XYZ(14.6367, 22.8442, 21.7208)

Have a look what the booklet for
XYZ(14.6367, 22.8442, 21.7208)
contains.

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Color

**XYZ(14.6683, 22.8836,
21.7330)**

Conversions

Conversions Part 1

Format	Color
Hex	219479
RGB	33, 148, 121
RGB Percent	13%, 58%, 47%
CMY	0.8706, 0.4196, 0.5255
CMYK	0.78, 0.00, 0.18, 0.42
HSL	166°, 64%, 35%
HSV	166°, 78%, 58%
XYZ	14.6683, 22.8836, 21.7330
YIQ	110.5370, -59.8730, -32.7770

Conversions

Conversions Part 2

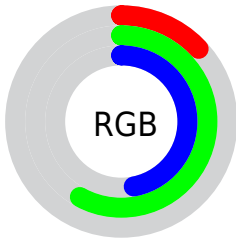
Format	Color
R_{YB}	33, 98, 148
Decimal	2200697
CIE _{Lab}	54.95, -37.63, 5.45
CIE _{LCh}	55, 38.026, 171.762
Yxy	22.8836, 0.2474, 0.3860
Android (android.graphics.Color)	4280390777 (0xFF219479)
YUV	110.5370, 5.1583, -67.9999
Hunter-Lab	47.8368, -28.9806, 6.5494

Details

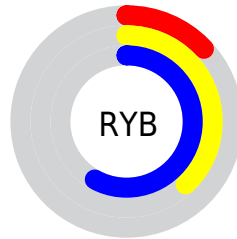
The XYZ color **14.6683, 22.8836, 21.7330** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.5730, 7.7105, 5.0489**, and the grayscale version is **14.9743, 15.7541, 17.1562**.

A 20% lighter version of the original color is **33.8285, 48.2704, 47.0693**, and **5.3855, 8.8468, 7.7271** is the 20% darker color. If you saturate the color by 10%, you get **14.0855, 22.6079, 20.6136**, and if you desaturate by 10%, it is **15.4684, 23.2716, 22.9037**.

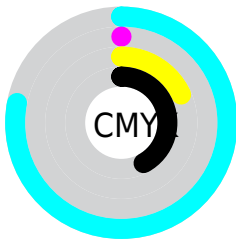
Distribution



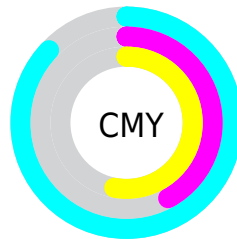
- Red (13%)
- Green (58%)
- Blue (47%)



- Red (13%)
- Yellow (38%)
- Blue (58%)



- Cyan (78%)
- Magenta (0%)
- Yellow (18%)
- Black (42%)



- Cyan (87%)
- Magenta (42%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6683, 22.8836, 21.7330 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 14.6683, 22.8836, 21.7330 by changing the saturation by 10% instead.

■ 14.6683, 22.8836,
21.7330

■ 14.6683, 22.8836,
21.7330

214.7781,
267.1266, 274.0566

■ 8.6717, 14.5076,
13.4644

■ 33.8467, 48.2021,
47.2008

■ 4.5831, 8.4745,
7.6146

■ 47.7592, 65.9134,
65.2371

■ 2.0370, 4.4001,
3.7652

■ 65.0410, 87.5053,
87.3664

■ 0.6546, 1.8998,
1.4974

■ 86.0576, 113.3621,
114.0073

■ 0.0000, 0.5482,
0.2160

■ 111.1742,
143.8682, 145.5781

■ 0.0000, 0.0000,
0.0000

■ 140.7563,

179.4081, 182.4976

175.1691,
220.3661, 225.1843

■ 14.6683, 22.8836,
21.7330

■ 14.6683, 22.8836,
21.7330

■ 14.0855, 22.6079,
20.6136

■ 15.4684, 23.2716,
22.9037

■ 13.6731, 22.4186,
19.5414

■ 16.5082, 23.7816,
24.1255

■ 13.5851, 22.3785,
19.3005

■ 17.8095, 24.4256,
25.4005

■ 19.3909, 25.2131,
26.7300

■ 21.2694, 26.1527,
28.1150

■ 23.4605, 27.2527,
29.5567

■ 25.9788, 28.5203,
31.0562

■ 28.8377, 29.9626,
32.6144

■ 32.0501, 31.5862,
34.2325

Harmonies

Analogous

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



15.9799, 22.8836, 13.1246



14.6683, 22.8836, 21.7330



15.0519, 22.8836, 34.5617

Triad

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



14.6683, 22.8836, 21.7330



24.8989, 22.8836, 53.3252



27.1680, 22.8836, 10.7594

Complementary

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



14.6683, 22.8836, 21.7330



13.5730, 7.7105, 5.0489

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.



30.1887, 22.8836, 17.2566



14.6683, 22.8836, 21.7330



28.7652, 22.8836, 42.2418

Square

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



14.6683, 22.8836, 21.7330



20.6082, 22.8836, 55.7117



30.8082, 22.8836, 28.3963



22.9336, 22.8836, 8.2696

Rectangle

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



14.6683, 22.8836, 21.7330



16.2423, 22.8836, 43.8169



30.8082, 22.8836, 28.3963



28.3806, 22.8836, 12.4237

Sweetspot

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



14.6689, 22.8845, 21.7335



39.0976, 46.9311, 50.6719



12.8362, 22.3066, 5.0684



8.6426, 10.5716, 11.3764



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



14.6689, 22.8845, 21.7335



24.3210, 39.6448, 35.0087



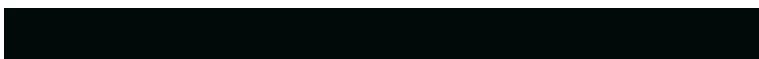
12.5999, 15.7157, 30.3873



5.9065, 6.5392, 7.1184



11.6142, 19.1185, 16.5420



0.1535, 0.2385, 0.2621

Inverse Universe

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



13.5730, 7.7105, 5.0489



22.3909, 11.6839, 4.7084



14.1971, 9.8247, 2.5874



5.8533, 5.8364, 6.3336



10.6969, 5.4838, 1.8850



0.1408, 0.0711, 0.0751

Previews

White Background



This preview shows how the XYZ color 14.6683, 22.8836, 21.7330 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 14.6683, 22.8836, 21.7330 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 × Fail

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

XYZ 14.6683, 22.8836, 21.7330

Background



This preview shows how black text looks on a background with the XYZ color 14.6683, 22.8836, 21.7330.



This preview shows how white text looks on a background with the XYZ color 14.6683, 22.8836,

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

14.6683, 22.8836, 21.7330

Protanopia

21.2238, 22.4535, 18.5446

Deuteranopia

22.9038, 22.4478, 22.8644



Tritanopia

17.2071, 22.7684, 34.4982

Trichromacy



Original Color

14.6683, 22.8836, 21.7330

Protanomaly

17.1858, 21.7818, 19.5182

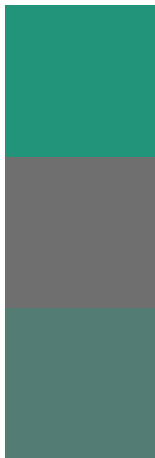
Deuteranomaly

17.8721, 21.4485, 22.2668

Tritanomaly

16.2100, 22.8148, 29.5359

Monochromacy



Original Color

14.6683, 22.8836, 21.7330

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.8694, 17.4921, 18.8650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6683, 22.8836, 21.7330 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(33, 148, 121)` looks like.

```
.text, #text, p{  
    color:rgb(33, 148, 121)  
}
```

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(33, 148, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 148, 121) }
```

Border

The CSS property to change the border of an element to XYZ 14.6683, 22.8836, 21.7330 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(33, 148, 121) }
```


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

```
.border{ border-color:rgb(33, 148, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 148, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 148, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 148, 121);  
box-shadow:4px 4px 4px 4px rgb(33, 148,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6683, 22.8836, 21.7330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 148, 121) }
```

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

```
.background{ background-color: rgb(33, 148,  
121) }
```

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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