

Converting Colors

XYZ(22.4661, 32.3303, 31.8443)

Have a look what the booklet for
XYZ(22.4661, 32.3303, 31.8443)
contains.

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Color

**XYZ(22.4661, 32.3303,
31.8443)**

Conversions

Conversions Part 1

Format	Color
Hex	4CAA91
RGB	76, 170, 145
RGB Percent	30%, 67%, 57%
CMY	0.7019, 0.3333, 0.4314
CMYK	0.55, 0.00, 0.15, 0.33
HSL	164°, 38%, 48%
HSV	164°, 55%, 67%
XYZ	22.4661, 32.3303, 31.8443
YIQ	139.0440, -47.9990, -27.7030

Conversions

Conversions Part 2

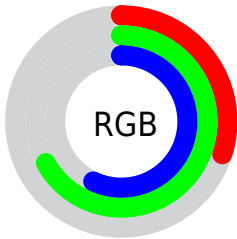
Format	Color
RYB	76, 130, 170
Decimal	5024401
CIELab	63.61, -34.02, 4.51
CIELCh	64, 34.318, 172.446
Yxy	32.3303, 0.2593, 0.3732
Android (android.graphics.Color)	4283214481 (0xFF4CAA91)
YUV	139.0440, 2.9363, -55.2896
Hunter-Lab	56.8597, -28.9766, 6.5965

Details

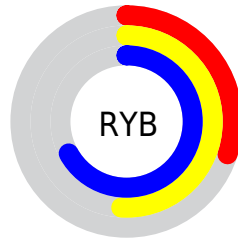
The XYZ color **22.4661, 32.3303, 31.8443** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.5121, 14.6555, 14.0083**, and the grayscale version is **24.5607, 25.8398, 28.1395**.

A 20% lighter version of the original color is **47.0209, 63.4218, 63.7962**, and **8.4268, 13.5488, 12.9975** is the 20% darker color. If you saturate the color by 10%, you get **20.9482, 31.5881, 29.9898**, and if you desaturate by 10%, it is **24.3566, 33.2646, 33.7901**.

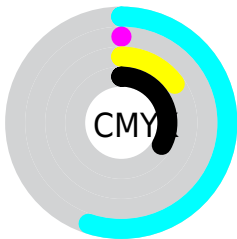
Distribution



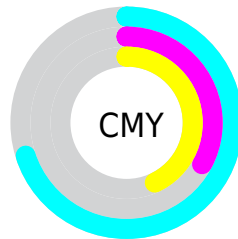
- Red (30%)
- Green (67%)
- Blue (57%)



- Red (30%)
- Yellow (51%)
- Blue (67%)



- Cyan (55%)
- Magenta (0%)
- Yellow (15%)
- Black (33%)





- Cyan (70%)
- Magenta (33%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4661, 32.3303, 31.8443 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 22.4661, 32.3303, 31.8443 by changing the saturation by 10% instead.


 22.4661, 32.3303,
31.8443


 22.4661, 32.3303,
31.8443


257.5576,
312.6211, 324.8802


 14.3183, 21.6139,
20.9788


 46.9883, 63.3285,
63.6620


 8.4256, 13.5735,
12.9174


 64.0934, 84.3792,
85.4512


 4.4225, 7.8246,
7.2416


 84.9150, 109.6434,
111.7188

 1.9438, 3.9829,
3.5329

 109.8184,
139.5055, 142.8832

 0.6021, 1.6640,
1.3728

 139.1691,
174.3499, 179.3630

 0.0000, 0.4002,
0.1204

173.3322,

 0.0000, 0.0000,

214.5611, 221.5768

0.0000

212.6733,
260.5233, 269.9430

■ 22.4661, 32.3303,
31.8443

■ 22.4661, 32.3303,
31.8443

■ 20.9482, 31.5881,
29.9898

■ 24.3566, 33.2646,
33.7901

■ 19.7712, 31.0192,
28.2221

■ 26.6427, 34.4004,
35.8271

■ 18.9026, 30.6078,
26.5397

■ 29.3488, 35.7511,
37.9577

■ 18.3006, 30.3323,
24.9396

■ 32.4965, 37.3278,
40.1840

■ 18.0633, 30.2257,
24.2125

■ 36.1059, 39.1408,
42.5074

■ 40.1957, 41.1998,
44.9298

■ 44.7838, 43.5140,
47.4526

■ 49.8869, 46.0919,
50.0775

■ 55.5212, 48.9419,
52.8059

Harmonies

Analogous

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



23.9845, 32.3303, 21.4375



22.4661, 32.3303, 31.8443



22.9718, 32.3303, 46.2760

Triad

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



22.4661, 32.3303, 31.8443



34.3850, 32.3303, 65.6770



36.6974, 32.3303, 18.1454

Complementary

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



22.4661, 32.3303, 31.8443



21.5121, 14.6555, 14.0083

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.



40.0612, 32.3303, 26.0530



22.4661, 32.3303, 31.8443



38.6323, 32.3303, 53.8712

Square

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



22.4661, 32.3303, 31.8443



29.5330, 32.3303, 68.3980



40.8038, 32.3303, 38.7882



31.9569, 32.3303, 14.9798

Rectangle

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



22.4661, 32.3303, 31.8443



24.4159, 32.3303, 56.1968



40.8038, 32.3303, 38.7882



38.0461, 32.3303, 20.2208

Sweetspot

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



22.4670, 32.3316, 31.8451



57.7419, 67.1143, 72.0786



21.0546, 32.0432, 11.9134



12.6230, 14.8396, 15.8979



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.4670, 32.3316, 31.8451



37.5542, 57.0911, 53.7884



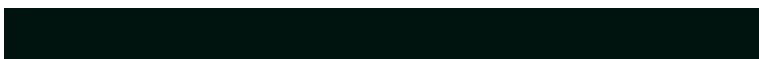
20.8376, 25.6408, 41.8826



7.6611, 8.4975, 9.2015



13.3110, 22.2432, 17.9364



0.3433, 0.5490, 0.5388

Inverse Universe

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



21.5121, 14.6555, 14.0083



35.6821, 21.8199, 18.3624



22.2446, 17.7918, 9.0999



7.6100, 7.5739, 8.2635



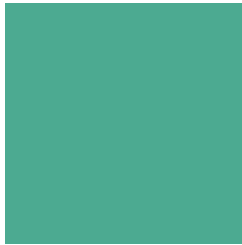
12.5665, 6.4353, 2.5288



0.3264, 0.1648, 0.1704

Previews

White Background



This preview shows how the XYZ color 22.4661, 32.3303, 31.8443 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 22.4661, 32.3303, 31.8443 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 22.4661, 32.3303, 31.8443

Background



This preview shows how black text looks on a background with the XYZ color 22.4661, 32.3303, 31.8443.



This preview shows how white text looks on a background with the XYZ color 22.4661, 32.3303,

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

22.4661, 32.3303, 31.8443

Protanopia

30.3324, 32.0336, 27.8770

Deuteranopia

32.4571, 31.8168, 33.2847



Tritanopia

25.5223, 32.1912, 47.5162

Trichromacy



Original Color

22.4661, 32.3303, 31.8443

Protanomaly

26.1116, 31.3275, 29.0967

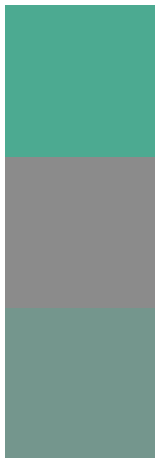
Deuteranomaly

27.2254, 31.0659, 32.5784

Tritanomaly

24.3610, 32.2665, 41.5033

Monochromacy



Original Color

22.4661, 32.3303, 31.8443

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

22.9165, 27.4488, 29.2896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4661, 32.3303, 31.8443 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(76, 170, 145)` looks like.

```
.text, #text, p{  
    color:rgb(76, 170, 145)  
}
```

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(76, 170, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 170, 145) }
```

Border

The CSS property to change the border of an element to XYZ 22.4661, 32.3303, 31.8443 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(76, 170, 145) }
```


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

```
.border{ border-color:rgb(76, 170, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 170, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 170, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 170, 145);  
box-shadow:4px 4px 4px 4px rgb(76, 170,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4661, 32.3303, 31.8443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 170, 145) }
```

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

```
.background{ background-color: rgb(76, 170,  
145) }
```

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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