

Converting Colors

XYZ(21.3176, 32.1989, 29.3324)

Have a look what the booklet for
XYZ(21.3176, 32.1989, 29.3324)
contains.

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Color

**XYZ(21.2730, 32.0467,
29.4905)**

Conversions

Conversions Part 1

Format	Color
Hex	3FAB8B
RGB	63, 171, 139
RGB Percent	25%, 67%, 55%
CMY	0.7529, 0.3294, 0.4549
CMYK	0.63, 0.00, 0.19, 0.33
HSL	162°, 46%, 46%
HSV	162°, 63%, 67%
XYZ	21.2730, 32.0467, 29.4905
YIQ	135.0600, -54.0960, -32.8480

Conversions

Conversions Part 2

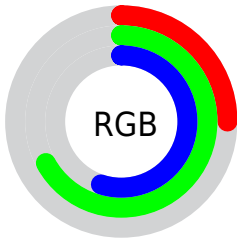
Format	Color
RYB	63, 126, 171
Decimal	4172683
CIELab	63.38, -38.59, 7.46
CIELCh	63, 39.301, 169.052
Yxy	32.0467, 0.2569, 0.3870
Android (android.graphics.Color)	4282362763 (0xFF3FAB8B)
YUV	135.0600, 1.9424, -63.1966
Hunter-Lab	56.6098, -31.9899, 8.7401

Details

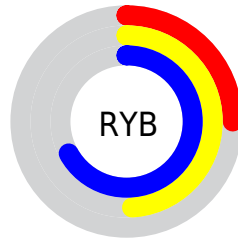
The XYZ color **21.2730, 32.0467, 29.4905** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.6387, 13.0399, 12.2568**, and the grayscale version is **23.0596, 24.2605, 26.4196**.

A 20% lighter version of the original color is **45.0096, 62.8815, 59.6343**, and **8.2816, 13.6781, 11.6549** is the 20% darker color. If you saturate the color by 10%, you get **19.9843, 31.4250, 27.5426**, and if you desaturate by 10%, it is **22.9198, 32.8527, 31.5462**.

Distribution



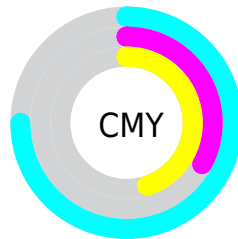
- Red (25%)
- Green (67%)
- Blue (55%)



- Red (25%)
- Yellow (49%)
- Blue (67%)



- Cyan (63%)
- Magenta (0%)
- Yellow (19%)
- Black (33%)



- Cyan (75%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2730, 32.0467, 29.4905 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 21.2730, 32.0467, 29.4905 by changing the saturation by 10% instead.

■ 21.2730, 32.0467,
29.4905

■ 21.2730, 32.0467,
29.4905

251.4301,
311.3319, 313.6553

■ 13.4373, 21.3972,
19.2034

■ 45.0293, 62.8843,
59.9069

■ 7.8094, 13.4146,
11.6391

■ 61.6806, 83.8411,
80.8734

■ 4.0240, 7.7147,
6.3789

■ 82.0012, 109.0026,
106.2367

■ 1.7157, 3.9129,
3.0043

■ 106.3563,
138.7529, 136.4155

■ 0.4661, 1.6250,
1.0968

■ 135.1115,
173.4767, 171.8281

■ 0.0000, 0.3743,
0.0000

168.6319,

■ 0.0000, 0.0000,

213.5582, 212.8933

0.0000

207.2830,
259.3818, 260.0295

■ 21.2730, 32.0467,
29.4905

■ 21.2730, 32.0467,
29.4905

■ 19.9843, 31.4250,
27.5426

■ 22.9198, 32.8527,
31.5462

■ 19.0183, 30.9668,
25.6975

■ 24.9506, 33.8538,
33.7099

■ 18.3364, 30.6532,
23.9529

■ 27.3921, 35.0647,
35.9848

■ 17.9739, 30.4911,
22.8134

■ 30.2677, 36.4972,
38.3730

■ 33.5990, 38.1626,
40.8768

■ 37.4061, 40.0711,
43.4980

■ 41.7078, 42.2325,
46.2388

■ 46.5222, 44.6561,
49.1009

■ 51.8660, 47.3504,
52.0863

Harmonies

Analogous

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



23.1997, 32.0467, 18.6683



21.2730, 32.0467, 29.4905



21.5767, 32.0467, 45.6543

Triad

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



21.2730, 32.0467, 29.4905



34.0157, 32.0467, 71.7156



37.8689, 32.0467, 16.7576

Complementary

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



21.2730, 32.0467, 29.4905



20.6387, 13.0399, 12.2568

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.



41.4964, 32.0467, 25.9721



21.2730, 32.0467, 29.4905



39.0947, 32.0467, 58.5332

Square

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



21.2730, 32.0467, 29.4905



28.5093, 32.0467, 73.5079



41.9700, 32.0467, 40.9189



32.4965, 32.0467, 12.9196

Rectangle

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



21.2730, 32.0467, 29.4905



23.0141, 32.0467, 57.4646



41.9700, 32.0467, 40.9189



39.3588, 32.0467, 19.1747

Sweetspot

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



21.2739, 32.0480, 29.4912



56.3870, 66.4514, 70.4100



20.2221, 31.9404, 9.8024



12.2173, 14.6405, 15.4265



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.



21.2739, 32.0480, 29.4912



34.9983, 55.9007, 47.9197



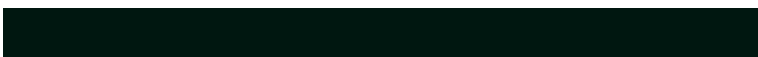
20.2124, 25.6199, 42.4094



8.1337, 9.0310, 9.7289



13.5730, 22.9945, 17.3232



0.4001, 0.6487, 0.6002

Inverse Universe

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



20.6387, 13.0399, 12.2568



33.8210, 19.0578, 14.7817



20.9099, 15.4519, 6.5835



8.0993, 8.0530, 8.8335



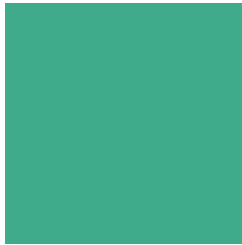
13.1263, 6.7130, 3.0444



0.3895, 0.1965, 0.2127

Previews

White Background



This preview shows how the XYZ color 21.2730, 32.0467, 29.4905 looks on a white background.

Color Contrast Check

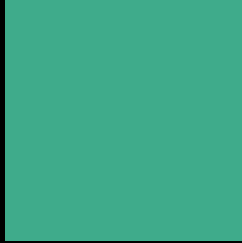
Large Text (above 18pt) WCAG AA × Fail

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 21.2730, 32.0467, 29.4905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

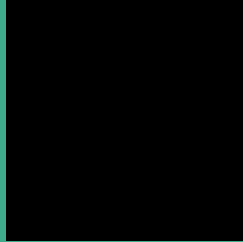
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.2730, 32.0467, 29.4905

Background



This preview shows how black text looks on a background with the XYZ color 21.2730, 32.0467, 29.4905.



This preview shows how white text looks on a background with the XYZ color 21.2730, 32.0467,

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

21.2730, 32.0467, 29.4905

Protanopia

29.6879, 31.5150, 25.2872

Deuteranopia

32.0453, 31.4271, 30.7626



Tritanopia

24.9148, 32.1468, 47.5396

Trichromacy



Original Color

21.2730, 32.0467, 29.4905



Protanomaly

25.0892, 30.8497, 26.8225



Deuteranomaly

26.1310, 30.5552, 30.1117



Tritanomaly

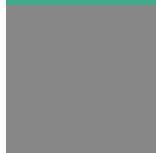
23.4511, 32.1021, 40.0823

Monochromacy



Original Color

21.2730, 32.0467, 29.4905



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.3405, 26.2086, 27.2266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2730, 32.0467, 29.4905 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(63, 171, 139)` looks like.

```
.text, #text, p{  
    color:rgb(63, 171, 139)  
}
```

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(63, 171, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 171, 139) }
```

Border

The CSS property to change the border of an element to XYZ 21.2730, 32.0467, 29.4905 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(63, 171, 139) }
```


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

```
.border{ border-color:rgb(63, 171, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 171, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 171, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 171, 139);  
box-shadow:4px 4px 4px 4px rgb(63, 171,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2730, 32.0467, 29.4905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 171, 139) }
```

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

```
.background{ background-color: rgb(63, 171,  
139) }
```

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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