

Converting Colors

XYZ(21.2839, 31.5869, 30.5812)

Have a look what the booklet for
XYZ(21.2839, 31.5869, 30.5812)
contains.

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Color

**XYZ(21.1848, 31.4189,
30.5391)**

Conversions

Conversions Part 1

Format	Color
Hex	40A98E
RGB	64, 169, 142
RGB Percent	25%, 66%, 56%
CMY	0.7490, 0.3372, 0.4431
CMYK	0.62, 0.00, 0.16, 0.34
HSL	165°, 45%, 46%
HSV	165°, 62%, 66%
XYZ	21.1848, 31.4189, 30.5391
YIQ	134.5270, -53.9130, -30.6570

Conversions

Conversions Part 2

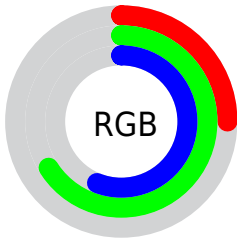
Format	Color
RYB	64, 124, 169
Decimal	4237710
CIELab	62.86, -36.76, 5.05
CIELCh	63, 37.102, 172.180
Yxy	31.4189, 0.2548, 0.3779
Android (android.graphics.Color)	4282427790 (0xFF40A98E)
YUV	134.5270, 3.6842, -61.8522
Hunter-Lab	56.0526, -30.6288, 6.9338

Details

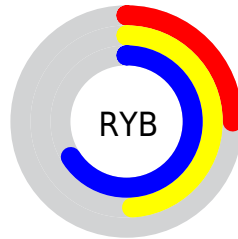
The XYZ color **21.1848, 31.4189, 30.5391** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **20.0849, 12.8580, 11.3219**, and the grayscale version is **22.8560, 24.0463, 26.1864**.

A 20% lighter version of the original color is **44.9151, 61.9735, 61.8194**, and **8.1772, 13.2635, 12.2543** is the 20% darker color. If you saturate the color by 10%, you get **19.9281, 30.8088, 28.8105**, and if you desaturate by 10%, it is **22.7890, 32.2082, 32.3518**.

Distribution



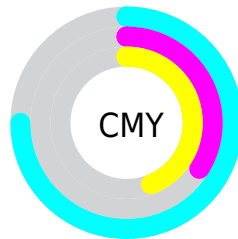
- Red (25%)
- Green (66%)
- Blue (56%)



- Red (25%)
- Yellow (49%)
- Blue (66%)



- Cyan (62%)
- Magenta (0%)
- Yellow (16%)
- Black (34%)





- Cyan (75%)
- Magenta (34%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1848, 31.4189, 30.5391 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 21.1848, 31.4189, 30.5391 by changing the saturation by 10% instead.


 21.1848, 31.4189,
30.5391


 21.1848, 31.4189,
30.5391


250.9721,
308.4636, 318.6945


 13.3724, 20.9180,
19.9926


 44.8839, 61.8990,
61.5847


 7.7642, 13.0641,
12.2057


 61.5012, 82.6470,
82.9210

 3.9950, 7.4727,
6.7597


 81.7842, 107.5795,
108.6909

 1.6993, 3.7594,
3.2361

 106.0983,
137.0810, 139.3130

 0.4558, 1.5399,
1.2164

 134.8088,
171.5357, 175.2059

 0.0000, 0.3166,
0.0000

168.2810,

 0.0000, 0.0000,

211.3281, 216.7881

0.0000

206.8803,
256.8426, 264.4781

■ 21.1848, 31.4189,
30.5391

■ 21.1848, 31.4189,
30.5391

■ 19.9281, 30.8088,
28.8105

■ 22.7890, 32.2082,
32.3518

■ 18.9849, 30.3581,
27.1616

■ 24.7655, 33.1872,
34.2483

■ 18.3190, 30.0489,
25.5906

■ 27.1397, 34.3697,
36.2314

■ 17.9249, 29.8716,
24.4052

■ 29.9341, 35.7673,
38.3027

■ 33.1694, 37.3907,
40.4640

■ 36.8651, 39.2499,
42.7168

■ 41.0394, 41.3542,
45.0626

■ 45.7093, 43.7124,
47.5030

■ 50.8912, 46.3331,
50.0393

Harmonies

Analogous

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



22.7850, 31.4189, 19.7505



21.1848, 31.4189, 30.5391



21.6920, 31.4189, 45.9089

Triad

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



21.1848, 31.4189, 30.5391



33.7086, 31.4189, 67.2479



36.2691, 31.4189, 16.5133

Complementary

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



21.1848, 31.4189, 30.5391



20.0849, 12.8580, 11.3219

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.



39.8639, 31.4189, 24.6890



21.1848, 31.4189, 30.5391



38.2725, 31.4189, 54.4160

Square

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



21.1848, 31.4189, 30.5391



28.5519, 31.4189, 70.1314



40.6358, 31.4189, 38.1635



31.2131, 31.4189, 13.2895

Rectangle

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



21.1848, 31.4189, 30.5391



23.1866, 31.4189, 56.6704



40.6358, 31.4189, 38.1635



37.7111, 31.4189, 18.6403

Sweetspot

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



21.1857, 31.4201, 30.5398



55.1431, 64.8243, 69.6585



19.5280, 31.0227, 9.8098



11.6895, 13.9638, 14.9545



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.1857, 31.4201, 30.5398



34.9120, 54.8015, 50.3347



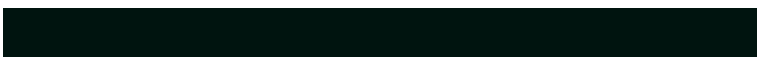
19.3259, 24.0540, 41.1618



7.6639, 8.4986, 9.2163



13.3814, 22.2713, 18.3072



0.3446, 0.5495, 0.5456

Inverse Universe

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



20.0849, 12.8580, 11.3219



32.8250, 18.6878, 13.2159



20.8195, 15.8679, 6.8166



7.6073, 7.5728, 8.2495



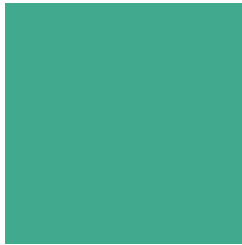
12.5451, 6.4267, 2.4159



0.3254, 0.1644, 0.1652

Previews

White Background



This preview shows how the XYZ color 21.1848, 31.4189, 30.5391 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 21.1848, 31.4189, 30.5391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

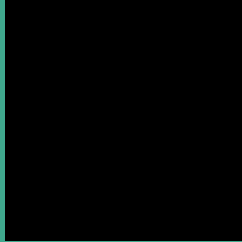
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.1848, 31.4189, 30.5391

Background



This preview shows how black text looks on a background with the XYZ color 21.1848, 31.4189, 30.5391.

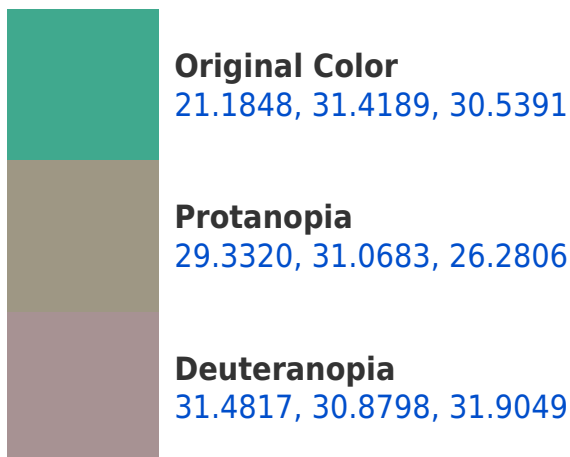


This preview shows how white text looks on a background with the XYZ color 21.1848, 31.4189,

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





Tritanopia

24.3532, 31.3449, 46.3616

Trichromacy



Original Color

21.1848, 31.4189, 30.5391



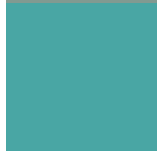
Protanomaly

24.9830, 30.5164, 27.8661



Deuteranomaly

25.8724, 29.9014, 31.1960



Tritanomaly

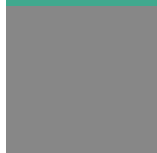
23.0847, 31.3692, 39.9601

Monochromacy



Original Color

21.1848, 31.4189, 30.5391



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.3278, 25.9536, 27.9302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1848, 31.4189, 30.5391 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(64, 169, 142)` looks like.

```
.text, #text, p{  
    color:rgb(64, 169, 142)  
}
```

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(64, 169, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 169, 142) }
```

Border

The CSS property to change the border of an element to XYZ 21.1848, 31.4189, 30.5391 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(64, 169, 142) }
```


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

```
.border{ border-color:rgb(64, 169, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 169, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 169, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 169, 142);  
box-shadow:4px 4px 4px 4px rgb(64, 169,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1848, 31.4189, 30.5391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 169, 142) }
```

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

```
.background{ background-color: rgb(64, 169,  
142) }
```

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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