

Converting Colors

XYZ(22.9031, 31.4068, 30.9670)

Have a look what the booklet for
XYZ(22.9031, 31.4068, 30.9670)
contains.

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Color

**XYZ(22.9085, 31.4798,
30.8554)**

Conversions

Conversions Part 1

Format	Color
Hex	5BA68F
RGB	91, 166, 143
RGB Percent	36%, 65%, 56%
CMY	0.6431, 0.3490, 0.4392
CMYK	0.45, 0.00, 0.14, 0.35
HSL	162°, 30%, 50%
HSV	162°, 45%, 65%
XYZ	22.9085, 31.4798, 30.8554
YIQ	140.9530, -37.3170, -23.0530

Conversions

Conversions Part 2

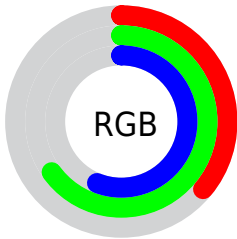
Format	Color
RYB	91, 135, 166
Decimal	6006415
CIELab	62.91, -28.97, 4.69
CIElCh	63, 29.344, 170.812
Yxy	31.4798, 0.2687, 0.3693
Android (android.graphics.Color)	4284196495 (0xFF5BA68F)
YUV	140.9530, 1.0092, -43.8088
Hunter-Lab	56.1069, -25.3052, 6.6689

Details

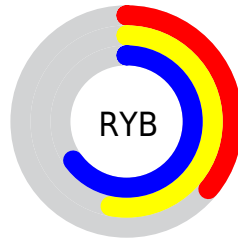
The XYZ color **22.9085, 31.4798, 30.8554** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.5053, 16.8048, 17.9781**, and the grayscale version is **25.3063, 26.6242, 28.9938**.

A 20% lighter version of the original color is **47.6115, 61.7639, 62.2355**, and **8.7207, 13.2000, 12.4442** is the 20% darker color. If you saturate the color by 10%, you get **21.0728, 30.5778, 28.8022**, and if you desaturate by 10%, it is **25.1255, 32.5779, 33.0192**.

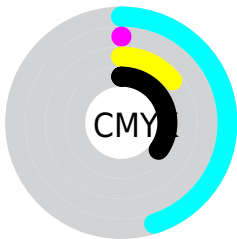
Distribution



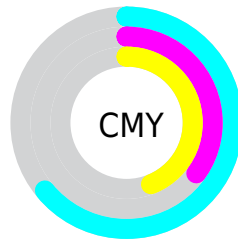
- Red (36%)
- Green (65%)
- Blue (56%)



- Red (36%)
- Yellow (53%)
- Blue (65%)



- Cyan (45%)
- Magenta (0%)
- Yellow (14%)
- Black (35%)



- Cyan (64%)
- Magenta (35%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9085, 31.4798, 30.8554 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 22.9085, 31.4798, 30.8554 by changing the saturation by 10% instead.

■ 22.9085, 31.4798,
30.8554

■ 22.9085, 31.4798,
30.8554

259.7988,
308.7427, 320.2021

■ 14.6463, 20.9645,
20.2312

■ 47.7108, 61.9947,
62.0892

■ 8.6562, 13.0980,
12.3775

■ 64.9816, 82.7630,
83.5360

■ 4.5729, 7.4961,
6.8757

■ 85.9860, 107.7178,
109.4274

■ 2.0311, 3.7742,
3.3072

■ 111.0893,
137.2435, 140.1819

■ 0.6513, 1.5481,
1.2535

140.6568,
171.7245, 176.2180

■ 0.0000, 0.3222,
0.0233

175.0540,

■ 0.0000, 0.0000,

211.5450, 217.9545

0.0000

214.6463,
257.0896, 265.8096

■ 22.9085, 31.4798,
30.8554

■ 22.9085, 31.4798,
30.8554

■ 21.0728, 30.5778,
28.8022

■ 25.1255, 32.5779,
33.0192

■ 19.5913, 29.8557,
26.8550

■ 27.7432, 33.8798,
35.2937

■ 18.4377, 29.3005,
25.0122

■ 30.7830, 35.3971,
37.6817

■ 17.5804, 28.8962,
23.2709

■ 34.2639, 37.1398,
40.1852

■ 16.9800, 28.6225,
21.6281

■ 38.2036, 39.1169,
42.8060

■ 16.7366, 28.5136,
20.8691

■ 42.6191, 41.3370,
45.5463

■ 47.5261, 43.8085,
48.4076

■ 52.9401, 46.5390,
51.3918

■ 58.8754, 49.5361,
54.5007

Harmonies

Analogous

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



24.3108, 31.4798, 22.0855



22.9085, 31.4798, 30.8554



23.2499, 31.4798, 42.7755

Triad

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



22.9085, 31.4798, 30.8554



32.7573, 31.4798, 59.4679



35.0854, 31.4798, 19.7997

Complementary

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



22.9085, 31.4798, 30.8554



22.5053, 16.8048, 17.9781

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.



37.7588, 31.4798, 26.9845



22.9085, 31.4798, 30.8554



36.3331, 31.4798, 50.2865

Square

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



22.9085, 31.4798, 30.8554



28.7010, 31.4798, 61.1624



38.2349, 31.4798, 37.9408



31.1742, 31.4798, 16.7130

Rectangle

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



22.9085, 31.4798, 30.8554



24.4338, 31.4798, 50.9109



38.2349, 31.4798, 37.9408



36.1728, 31.4798, 21.7282

Sweetspot

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



22.9094, 31.4811, 30.8561



56.4135, 64.5135, 68.7953



22.5629, 31.6570, 14.8191



12.3489, 14.2992, 15.1881



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.



22.9094, 31.4811, 30.8561



38.2969, 55.5197, 52.3354



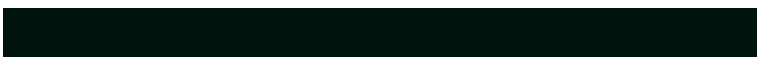
22.4671, 27.5162, 40.2050



7.6481, 8.4923, 9.1330



12.9994, 22.1185, 16.2957



0.3375, 0.5466, 0.5083

Inverse Universe

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



22.5053, 16.8048, 17.9781



37.4856, 25.5375, 26.0977



22.6413, 18.9154, 12.3556



7.6223, 7.5788, 8.3283



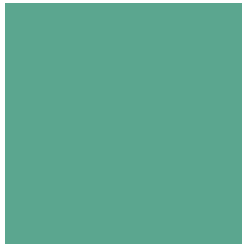
12.6753, 6.4788, 3.1015



0.3310, 0.1667, 0.1944

Previews

White Background



This preview shows how the XYZ color 22.9085, 31.4798, 30.8554 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 22.9085, 31.4798, 30.8554 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 22.9085, 31.4798, 30.8554

Background



This preview shows how black text looks on a background with the XYZ color 22.9085, 31.4798, 30.8554.

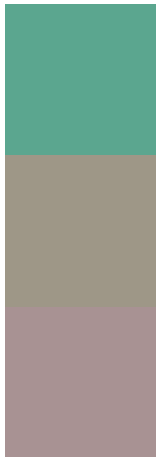


This preview shows how white text looks on a background with the XYZ color 22.9085, 31.4798,

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

22.9085, 31.4798, 30.8554

Protanopia

29.5403, 31.1516, 27.3776

Deuteranopia

31.6938, 30.9892, 31.9148



Tritanopia

25.9137, 31.6451, 45.2998

Trichromacy



Original Color

22.9085, 31.4798, 30.8554

Protanomaly

26.3074, 30.6802, 28.5801

Deuteranomaly

27.3948, 30.4332, 31.6245

Tritanomaly

24.6378, 31.3801, 39.4087

Monochromacy



Original Color

22.9085, 31.4798, 30.8554

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.9572, 27.9766, 29.7285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9085, 31.4798, 30.8554 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(91, 166, 143)` looks like.

```
.text, #text, p{  
    color:rgb(91, 166, 143)  
}
```

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(91, 166, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 166, 143) }
```

Border

The CSS property to change the border of an element to XYZ 22.9085, 31.4798, 30.8554 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(91, 166, 143) }
```


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

```
.border{ border-color:rgb(91, 166, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 166, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 166, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 166, 143);  
box-shadow:4px 4px 4px 4px rgb(91, 166,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9085, 31.4798, 30.8554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 166, 143) }
```

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

```
.background{ background-color: rgb(91, 166,  
143) }
```

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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