

Converting Colors

XYZ(21.8599, 30.9017, 29.5088)

Have a look what the booklet for
XYZ(21.8599, 30.9017, 29.5088)
contains.

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Color

**XYZ(21.9371, 31.0049,
29.6393)**

Conversions

Conversions Part 1

Format	Color
Hex	53A68C
RGB	83, 166, 140
RGB Percent	33%, 65%, 55%
CMY	0.6745, 0.3490, 0.4510
CMYK	0.50, 0.00, 0.16, 0.35
HSL	161°, 33%, 49%
HSV	161°, 50%, 65%
XYZ	21.9371, 31.0049, 29.6393
YIQ	138.2190, -41.1220, -25.6820

Conversions

Conversions Part 2

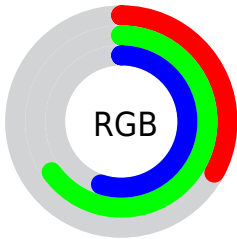
Format	Color
RYB	83, 132, 166
Decimal	5482124
CIELab	62.51, -31.71, 5.75
CIELCh	63, 32.227, 169.728
Yxy	31.0049, 0.2656, 0.3754
Android (android.graphics.Color)	4283672204 (0xFF53A68C)
YUV	138.2190, 0.8780, -48.4271
Hunter-Lab	55.6820, -27.1198, 7.4176

Details

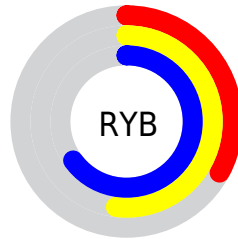
The XYZ color **21.9371, 31.0049, 29.6393** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.5805, 15.3984, 16.3038**, and the grayscale version is **24.2498, 25.5126, 27.7833**.

A 20% lighter version of the original color is **46.3401, 61.5409, 60.4751**, and **8.1039, 12.7306, 11.7030** is the 20% darker color. If you saturate the color by 10%, you get **20.2699, 30.1895, 27.6071**, and if you desaturate by 10%, it is **23.9748, 32.0108, 31.7848**.

Distribution



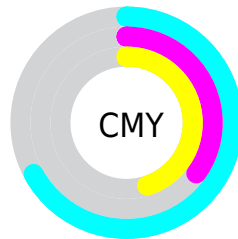
- Red (33%)
- Green (65%)
- Blue (55%)



- Red (33%)
- Yellow (52%)
- Blue (65%)



- Cyan (50%)
- Magenta (0%)
- Yellow (16%)
- Black (35%)



- Cyan (67%)
- Magenta (35%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9371, 31.0049, 29.6393 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 21.9371, 31.0049, 29.6393 by changing the saturation by 10% instead.

■ 21.9371, 31.0049,
29.6393

■ 21.9371, 31.0049,
29.6393

254.8562,
306.5609, 314.3743

■ 13.9270, 20.6026,
19.3152

■ 46.1216, 61.2478,
60.1455

■ 8.1513, 12.8338,
11.7192

■ 63.0268, 81.8571,
81.1648

■ 4.2445, 7.3142,
6.4325

■ 83.6278, 106.6376,
106.5862

■ 1.8414, 3.6594,
3.0368

■ 108.2898,
135.9736, 136.8283

■ 0.5424, 1.4849,
1.1135

■ 137.3783,
170.2496, 172.3096

■ 0.0000, 0.2781,
0.0000

171.2586,

■ 0.0000, 0.0000,

209.8498, 213.4487

0.0000

210.2961,
255.1588, 260.6641

■ 21.9371, 31.0049,
29.6393

■ 21.9371, 31.0049,
29.6393

■ 20.2699, 30.1895,
27.6071

■ 23.9748, 32.0108,
31.7848

■ 18.9449, 29.5476,
25.6836

■ 26.4037, 33.2154,
34.0438

■ 17.9339, 29.0656,
23.8668

■ 29.2457, 34.6309,
36.4193

■ 17.2027, 28.7258,
22.1537

■ 32.5206, 36.2674,
38.9134

■ 16.6740, 28.4885,
20.5395

■ 36.2466, 38.1342,
41.5282

■ 16.6740, 28.4884,
20.5394

■ 40.4412, 40.2404,
44.2656

■ 45.1207, 42.5942,
47.1276

■ 50.3006, 45.2038,
50.1160

■ 55.9958, 48.0767,
53.2326

Harmonies

Analogous

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



23.5011, 31.0049, 20.4484



21.9371, 31.0049, 29.6393



22.2335, 31.0049, 42.5696

Triad

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



21.9371, 31.0049, 29.6393



32.4034, 31.0049, 61.9218



35.2534, 31.0049, 18.5017

Complementary

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



21.9371, 31.0049, 29.6393



21.5805, 15.3984, 16.3038

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.



38.1258, 31.0049, 26.2567



21.9371, 31.0049, 29.6393



36.3709, 31.0049, 51.8670

Square

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



21.9371, 31.0049, 29.6393



27.9932, 31.0049, 63.4760



38.5539, 31.0049, 38.2439



30.9962, 31.0049, 15.1578

Rectangle

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



21.9371, 31.0049, 29.6393



23.4569, 31.0049, 51.6337



38.5539, 31.0049, 38.2439



36.4301, 31.0049, 20.5744

Sweetspot

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



21.9380, 31.0061, 29.6400



55.7819, 64.2004, 68.2048



21.5401, 31.1675, 13.0647



12.2179, 14.2345, 15.0588



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.



21.9380, 31.0061, 29.6400



36.4884, 54.6437, 49.7033



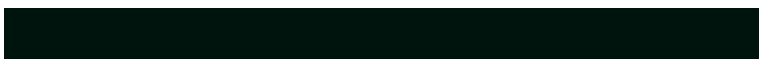
21.4829, 26.6568, 40.0909



7.6460, 8.4914, 9.1220



12.9511, 22.0992, 16.0412



0.3366, 0.5463, 0.5035

Inverse Universe

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



21.5805, 15.3984, 16.3038



35.7845, 23.0252, 22.7878



21.6761, 17.5083, 10.4210



7.6243, 7.5796, 8.3389



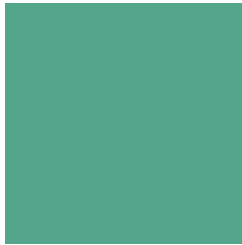
12.6944, 6.4865, 3.2022



0.3317, 0.1670, 0.1983

Previews

White Background



This preview shows how the XYZ color 21.9371, 31.0049, 29.6393 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 21.9371, 31.0049, 29.6393 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 21.9371, 31.0049, 29.6393

Background



This preview shows how black text looks on a background with the XYZ color 21.9371, 31.0049, 29.6393.



This preview shows how white text looks on a background with the XYZ color 21.9371, 31.0049,

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

21.9371, 31.0049, 29.6393

Protanopia

28.9758, 30.6467, 26.2180

Deuteranopia

31.0958, 30.4799, 30.6298



Tritanopia

24.8991, 30.8729, 44.6911

Trichromacy



Original Color

21.9371, 31.0049, 29.6393

Protanomaly

25.4676, 30.2720, 27.4225

Deuteranomaly

26.5025, 29.9999, 30.3803

Tritanomaly

23.7386, 30.9269, 38.9007

Monochromacy



Original Color

21.9371, 31.0049, 29.6393

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.7213, 26.8954, 28.4199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9371, 31.0049, 29.6393 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(83, 166, 140)` looks like.

```
.text, #text, p{  
    color:rgb(83, 166, 140)  
}
```

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(83, 166, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 166, 140) }
```

Border

The CSS property to change the border of an element to XYZ 21.9371, 31.0049, 29.6393 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(83, 166, 140) }
```


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

```
.border{ border-color:rgb(83, 166, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 166, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 166, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 166, 140);  
box-shadow:4px 4px 4px 4px rgb(83, 166,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9371, 31.0049, 29.6393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 166, 140) }
```

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

```
.background{ background-color: rgb(83, 166,  
140) }
```

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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