

Converting Colors

XYZ(22.6180, 31.0118, 30.7998)

Have a look what the booklet for
XYZ(22.6180, 31.0118, 30.7998)
contains.

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Color

**XYZ(22.6295, 31.0671,
30.7904)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA58F
RGB	90, 165, 143
RGB Percent	35%, 65%, 56%
CMY	0.6470, 0.3529, 0.4392
CMYK	0.45, 0.00, 0.13, 0.35
HSL	162°, 29%, 50%
HSV	162°, 45%, 65%
XYZ	22.6295, 31.0671, 30.7904
YIQ	140.0670, -37.6380, -22.7420

Conversions

Conversions Part 2

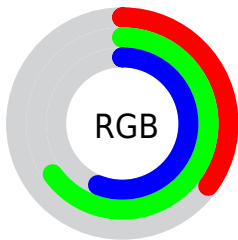
Format	Color
RYB	90, 134, 165
Decimal	5940623
CIELab	62.56, -28.74, 4.18
CIElCh	63, 29.046, 171.724
Yxy	31.0671, 0.2678, 0.3677
Android (android.graphics.Color)	4284130703 (0xFF5AA58F)
YUV	140.0670, 1.4460, -43.9088
Hunter-Lab	55.7379, -25.0705, 6.2639

Details

The XYZ color **22.6295, 31.0671, 30.7904** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.0989, 16.4823, 17.3471**, and the grayscale version is **24.9590, 26.2588, 28.5959**.

A 20% lighter version of the original color is **47.1728, 61.1469, 62.1396**, and **8.5740, 12.9579, 12.4051** is the 20% darker color. If you saturate the color by 10%, you get **20.8406, 30.1872, 28.8341**, and if you desaturate by 10%, it is **24.7922, 32.1395, 32.8482**.

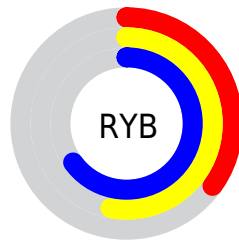
Distribution



Red (35%)

Green (65%)

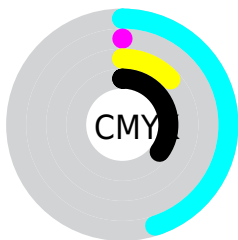
Blue (56%)



Red (35%)

Yellow (53%)

Blue (65%)

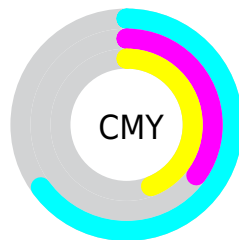


Cyan (45%)

Magenta (0%)

Yellow (13%)

Black (35%)



Cyan (65%)

Magenta (35%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6295, 31.0671, 30.7904 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 22.6295, 31.0671, 30.7904 by changing the saturation by 10% instead.

■ 22.6295, 31.0671,
30.7904

■ 22.6295, 31.0671,
30.7904

258.3873,
306.8473, 319.8928

■ 14.4394, 20.6499,
20.1822

■ 47.2554, 61.3457,
61.9856

■ 8.5106, 12.8684,
12.3421

■ 64.4219, 81.9759,
83.4097

■ 4.4779, 7.3380,
6.8518

■ 85.3111, 106.7793,
109.2762

■ 1.9759, 3.6743,
3.2925

■ 110.2886,
136.1403, 140.0035

■ 0.6204, 1.4931,
1.2459

139.7196,
170.4431, 176.0103

■ 0.0000, 0.2839,
0.0168

173.9695,

■ 0.0000, 0.0000,

210.0723, 217.7151

0.0000

213.4036,
255.4123, 265.5364

■ 22.6295, 31.0671,
30.7904

■ 22.6295, 31.0671,
30.7904

■ 20.8406, 30.1872,
28.8341

■ 24.7922, 32.1395,
32.8482

■ 19.3989, 29.4836,
26.9750

■ 27.3480, 33.4119,
35.0073

■ 18.2783, 28.9438,
25.2114

■ 30.3179, 34.8960,
37.2704

■ 17.4477, 28.5517,
23.5409

■ 33.7206, 36.6012,
39.6393

■ 16.8673, 28.2868,
21.9604

■ 37.5736, 38.5367,
42.1159

■ 16.6430, 28.1863,
21.2694

■ 41.8936, 40.7110,
44.7018

■ 46.6962, 43.1321,
47.3987

■ 51.9964, 45.8077,
50.2083

■ 57.8085, 48.7453,
53.1320

Harmonies

Analogous

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



23.9561, 31.0671, 22.0586



22.6295, 31.0671, 30.7904



23.0174, 31.0671, 42.5375

Triad

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



22.6295, 31.0671, 30.7904



32.4310, 31.0671, 58.3359



34.4894, 31.0671, 19.4583

Complementary

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



22.6295, 31.0671, 30.7904



22.0989, 16.4823, 17.3471

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.



37.1642, 31.0671, 26.3947



22.6295, 31.0671, 30.7904



35.9038, 31.0671, 49.1759

Square

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



22.6295, 31.0671, 30.7904



28.4482, 31.0671, 60.2532



37.7036, 31.0671, 37.0565



30.6355, 31.0671, 16.5392

Rectangle

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



22.6295, 31.0671, 30.7904



24.2127, 31.0671, 50.4746



37.7036, 31.0671, 37.0565



35.5700, 31.0671, 21.3127

Sweetspot

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



22.6304, 31.0683, 30.7911



54.9834, 62.8382, 67.2440



22.0475, 31.1274, 14.5195



11.7640, 13.6093, 14.5146



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.6304, 31.0683, 30.7911



37.1638, 53.9831, 51.4489



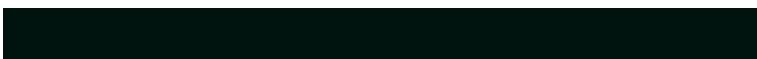
21.9153, 26.7041, 39.5981



7.1871, 7.9757, 8.5972



12.6127, 21.3314, 16.2086



0.2841, 0.4558, 0.4408

Inverse Universe

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



22.0989, 16.4823, 17.3471



36.1019, 24.4007, 24.2621



22.4151, 18.8415, 12.1288



7.1553, 7.1186, 7.8041



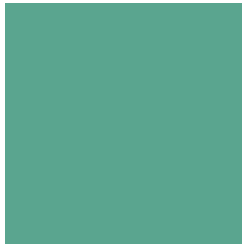
12.1683, 6.2234, 2.8108



0.2753, 0.1386, 0.1626

Previews

White Background



This preview shows how the XYZ color 22.6295, 31.0671, 30.7904 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 22.6295, 31.0671, 30.7904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

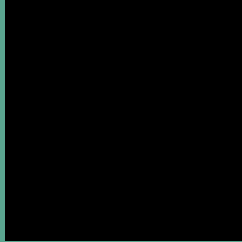
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.6295, 31.0671, 30.7904

Background



This preview shows how black text looks on a background with the XYZ color 22.6295, 31.0671, 30.7904.

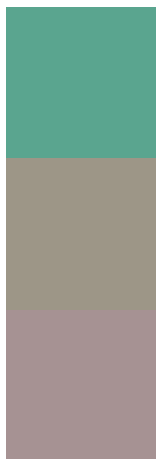


This preview shows how white text looks on a background with the XYZ color 22.6295, 31.0671,

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

22.6295, 31.0671, 30.7904

Protanopia

29.1841, 30.7301, 27.3150

Deuteranopia

31.2712, 30.7713, 31.8951



Tritanopia

25.4219, 31.1424, 44.7156

Trichromacy



Original Color

22.6295, 31.0671, 30.7904

Protanomaly

25.9817, 30.2642, 28.5170

Deuteranomaly

27.0608, 30.2611, 31.6088

Tritanomaly

24.2505, 30.9179, 39.3399

Monochromacy



Original Color

22.6295, 31.0671, 30.7904

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.5812, 27.5556, 29.2752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6295, 31.0671, 30.7904 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(90, 165, 143)` looks like.

```
.text, #text, p{  
    color:rgb(90, 165, 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(90, 165, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 165, 143) }
```

Border

The CSS property to change the border of an element to XYZ 22.6295, 31.0671, 30.7904 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(90, 165, 143) }
```


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

```
.border{ border-color:rgb(90, 165, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 165, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 165, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 165, 143);  
box-shadow:4px 4px 4px 4px rgb(90, 165,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6295, 31.0671, 30.7904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 165, 143) }
```

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

```
.background{ background-color: rgb(90, 165,  
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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