

Converting Colors

XYZ(21.7004, 29.8286, 29.0399)

Have a look what the booklet for
XYZ(21.7004, 29.8286, 29.0399)
contains.

XYZ(21.7004, 29.8286, 29.0399)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.7004, 29.8286,
29.0399)**

Conversions

Conversions Part 1

Format	Color
Hex	59A28B
RGB	89, 162, 139
RGB Percent	35%, 64%, 55%
CMY	0.6510, 0.3647, 0.4549
CMYK	0.45, 0.00, 0.14, 0.36
HSL	161°, 29%, 49%
HSV	161°, 45%, 64%
XYZ	21.7004, 29.8286, 29.0399
YIQ	137.5510, -36.1250, -22.6290

Conversions

Conversions Part 2

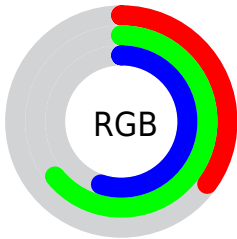
Format	Color
R_{YB}	89, 132, 162
Decimal	5874315
CIE _{Lab}	61.51, -28.48, 4.89
CIE _{LCh}	62, 28.900, 170.253
Yxy	29.8286, 0.2693, 0.3702
Android (android.graphics.Color)	4284064395 (0xFF59A28B)
YUV	137.5510, 0.7144, -42.5792
Hunter-Lab	54.6156, -24.6538, 6.7055

Details

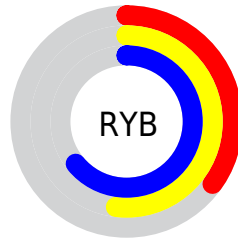
The XYZ color **21.7004, 29.8286, 29.0399** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.3984, 15.9968, 17.2903**, and the grayscale version is **23.9945, 25.2441, 27.4908**.

A 20% lighter version of the original color is **45.6550, 59.2711, 58.9034**, and **8.0388, 12.2132, 11.3849** is the 20% darker color. If you saturate the color by 10%, you get **19.9494, 28.9688, 27.0567**, and if you desaturate by 10%, it is **23.8126, 30.8741, 31.1323**.

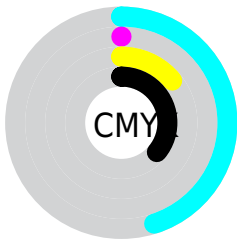
Distribution



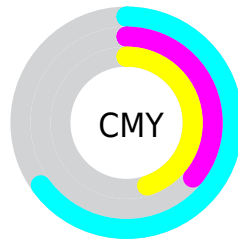
- Red (35%)
- Green (64%)
- Blue (55%)



- Red (35%)
- Yellow (52%)
- Blue (64%)



- Cyan (45%)
- Magenta (0%)
- Yellow (14%)
- Black (36%)



- Cyan (65%)
- Magenta (36%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7004, 29.8286, 29.0399 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 21.7004, 29.8286, 29.0399 by changing the saturation by 10% instead.

■ 21.7004, 29.8286,
29.0399

■ 21.7004, 29.8286,
29.0399

253.6396,
301.1047, 311.4700

■ 13.7523, 19.7085,
18.8652

■ 45.7329, 59.3910,
59.1834

■ 8.0291, 12.1833,
11.3971

■ 62.5479, 79.6021,
79.9893

■ 4.1656, 6.8687,
6.2171

■ 83.0494, 103.9457,
105.1759

■ 1.7962, 3.3801,
2.9066

■ 107.6026,
132.8062, 135.1619

■ 0.5154, 1.3332,
1.0471

136.5728,
166.5680, 170.3658

■ 0.0000, 0.1667,
0.0000

170.3255,

■ 0.0000, 0.0000,

205.6154, 211.2061

0.0000

209.2259,
250.3328, 258.1013

■ 21.7004, 29.8286,
29.0399

■ 21.7004, 29.8286,
29.0399

■ 19.9494, 28.9688,
27.0567

■ 23.8126, 30.8741,
31.1323

■ 18.5342, 28.2794,
25.1782

■ 26.3043, 32.1125,
33.3339

■ 17.4300, 27.7483,
23.4027


■ 29.1956, 33.5548,
35.6475


■ 16.6071, 27.3603,
21.7276


■ 32.5045, 35.2103,
38.0752

■ 16.0287, 27.0964,
20.1498


■ 36.2476, 37.0875,
40.6187

 15.7878, 26.9885,
19.4039

 40.4409, 39.1947,
43.2801

 45.0993, 41.5395,
46.0611

 50.2373, 44.1292,
48.9633

 55.8684, 46.9711,
51.9887

Harmonies

Analogous

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



23.0620, 29.8286, 20.7822



21.7004, 29.8286, 29.0399



21.9935, 29.8286, 40.3324

Triad

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



21.7004, 29.8286, 29.0399



30.9752, 29.8286, 56.5296



33.3207, 29.8286, 18.8214

Complementary

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



21.7004, 29.8286, 29.0399



21.3984, 15.9968, 17.2903

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.



35.8293, 29.8286, 25.7164



21.7004, 29.8286, 29.0399



34.3929, 29.8286, 47.9005

Square

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



21.7004, 29.8286, 29.0399



27.1237, 29.8286, 57.9869



36.2385, 29.8286, 36.1779



29.6152, 29.8286, 15.8226

Rectangle

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



21.7004, 29.8286, 29.0399



23.0984, 29.8286, 48.0855



36.2385, 29.8286, 36.1779



34.3454, 29.8286, 20.6765

Sweetspot

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



21.7012, 29.8298, 29.0406



53.4498, 61.1387, 65.0558



21.4214, 30.0156, 14.1163



11.7445, 13.6015, 14.4118



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.



21.7012, 29.8298, 29.0406



36.2249, 52.5936, 49.1292



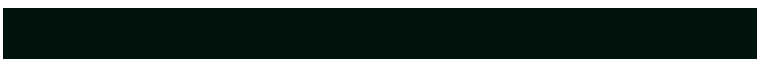
21.3293, 26.1074, 38.0989



7.1807, 7.9731, 8.5631



12.4576, 21.2694, 15.3920



0.2816, 0.4549, 0.4281

Inverse Universe

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



21.3984, 15.9968, 17.2903



35.6178, 24.2647, 25.1311



21.4936, 17.9818, 11.7898



7.1614, 7.1210, 7.8366



12.2280, 6.2473, 3.1253



0.2775, 0.1395, 0.1738

Previews

White Background



This preview shows how the XYZ color 21.7004, 29.8286, 29.0399 looks on a white background.

Color Contrast Check

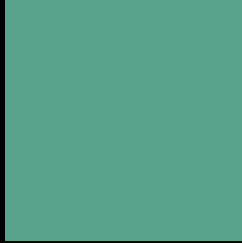
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7004, 29.8286, 29.0399 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 × Fail

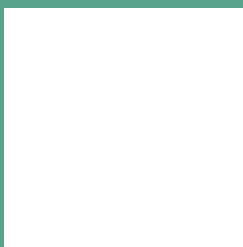
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7004, 29.8286, 29.0399

Background



This preview shows how black text looks on a background with the XYZ color 21.7004, 29.8286, 29.0399.

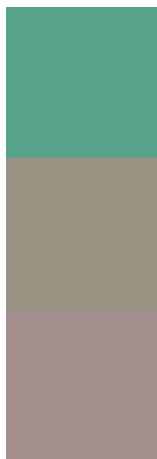


This preview shows how white text looks on a background with the XYZ color 21.7004, 29.8286,

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

21.7004, 29.8286, 29.0399

Protanopia

27.8569, 29.3762, 25.6747

Deuteranopia

30.0902, 29.5206, 30.0987



Tritanopia

24.4123, 29.8974, 42.5143

Trichromacy



Original Color

21.7004, 29.8286, 29.0399

Protanomaly

24.7372, 28.9235, 26.8333

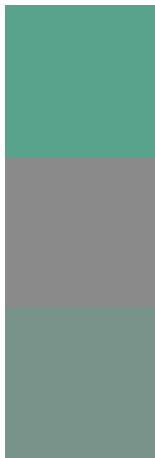
Deuteranomaly

26.1054, 29.0841, 29.8291

Tritanomaly

23.2722, 29.6792, 37.3030

Monochromacy



Original Color

21.7004, 29.8286, 29.0399

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.7669, 26.6955, 27.9976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7004, 29.8286, 29.0399 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(89, 162, 139)` looks like.

```
.text, #text, p{  
    color:rgb(89, 162, 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(89, 162, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 162, 139) }
```

Border

The CSS property to change the border of an element to XYZ 21.7004, 29.8286, 29.0399 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(89, 162, 139) }
```


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

```
.border{ border-color:rgb(89, 162, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 162, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 162, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 162, 139);  
box-shadow:4px 4px 4px 4px rgb(89, 162,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7004, 29.8286, 29.0399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 162, 139) }
```

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

```
.background{ background-color: rgb(89, 162,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor