

Converting Colors

XYZ(28.3855, 27.1535, 20.2823)

Have a look what the booklet for
XYZ(28.3855, 27.1535, 20.2823)
contains.

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Color

**XYZ(28.3939, 27.1349,
20.2640)**

Conversions

Conversions Part 1

Format	Color
Hex	AA8774
RGB	170, 135, 116
RGB Percent	67%, 53%, 45%
CMY	0.3333, 0.4706, 0.5451
CMYK	0.00, 0.21, 0.32, 0.33
HSL	21°, 24%, 56%
HSV	21°, 32%, 67%
XYZ	28.3939, 27.1349, 20.2640
YIQ	143.2990, 26.9590, 1.5110

Conversions

Conversions Part 2

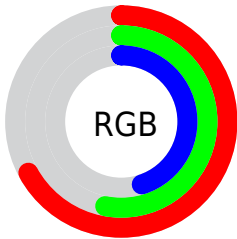
Format	Color
R_{YB}	170, 145, 116
Decimal	11175796
CIE _{Lab}	59.10, 10.54, 15.29
CIE _{LCh}	59, 18.575, 55.419
Yxy	27.1349, 0.3746, 0.3580
Android (android.graphics.Color)	4289365876 (0xFFAA8774)
YUV	143.2990, -13.4584, 23.4168
Hunter-Lab	52.0912, 6.1374, 13.3994

Details

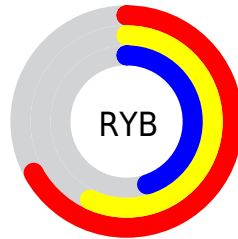
The XYZ color **28.3939, 27.1349, 20.2640** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **25.5244, 28.7476, 42.2339**, and the grayscale version is **26.2730, 27.6413, 30.1014**.

A 20% lighter version of the original color is **56.4151, 54.9623, 44.6812**, and **11.6280, 10.6963, 6.9206** is the 20% darker color. If you saturate the color by 10%, you get **26.0358, 23.8589, 15.0376**, and if you desaturate by 10%, it is **31.0935, 30.8040, 26.4976**.

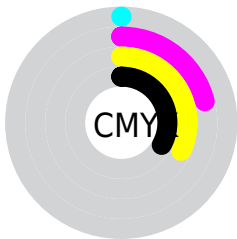
Distribution



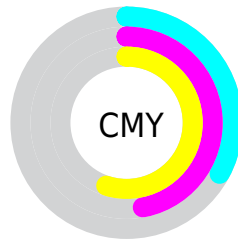
- Red (67%)
- Green (53%)
- Blue (45%)



- Red (67%)
- Yellow (57%)
- Blue (45%)



- Cyan (0%)
- Magenta (21%)
- Yellow (32%)
- Black (33%)





- Cyan (33%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3939, 27.1349, 20.2640 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 28.3939, 27.1349, 20.2640 by changing the saturation by 10% instead.


 28.3939, 27.1349,
20.2640


 28.3939, 27.1349,
20.2640


286.3904,
288.3097, 265.9921


 18.7648, 17.6746,
12.4011


 56.5170, 55.1003,
44.7241

 11.6034, 10.7166,
6.8916

 75.7416, 74.3741,
62.1585

 6.5445, 5.8766,
3.3170


 98.8955, 97.6878,
83.6203

 3.2227, 2.7702,
1.2587

126.3439,
125.4259, 109.5283

 1.2726, 1.0130,
0.0276

158.4523,
157.9728, 140.3010

 0.1626, 0.0000,
0.0000

195.5859,

 0.0000, 0.0000,

195.7128, 176.3568

0.0000

238.1102,
239.0303, 218.1143

■ 28.3939, 27.1349,
20.2640

■ 28.3939, 27.1349,
20.2640

■ 26.0358, 23.8589,
15.0376

■ 31.0935, 30.8040,
26.4976

■ 24.0023, 20.9587,
10.7632

■ 34.1463, 34.8753,
33.7865

■ 22.2784, 18.4210,
7.3826

■ 37.5658, 39.3623,
42.1775

■ 20.8466, 16.2304,
4.8305

■ 41.3644, 44.2767,
51.7141

■ 19.6875, 14.3702,
3.0325

■ 45.5536, 49.6297,
62.4376

■ 18.7788, 12.8217,
1.9006

■ 50.1447, 55.4321,
74.3870

■ 18.1844, 11.7596,
1.3114

■ 55.1482, 61.6944,
87.5997

■ 60.5746, 68.4266,
102.1115

■ 64.0963, 74.7035,
105.6487

Harmonies

Analogous

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



30.0125, 27.1349, 24.4165



28.3939, 27.1349, 20.2640



26.1472, 27.1349, 18.5963

Triad

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



28.3939, 27.1349, 20.2640



21.6134, 27.1349, 28.5412



27.7440, 27.1349, 42.5825

Complementary

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



28.3939, 27.1349, 20.2640



25.5244, 28.7476, 42.2339

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.



25.4379, 27.1349, 44.1194



28.3939, 27.1349, 20.2640



21.9850, 27.1349, 35.3463

Square

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



28.3939, 27.1349, 20.2640



22.3054, 27.1349, 22.8998



23.3521, 27.1349, 41.2997



29.6219, 27.1349, 37.3661

Rectangle

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



28.3939, 27.1349, 20.2640



24.6284, 27.1349, 18.9043



23.3521, 27.1349, 41.2997



26.9895, 27.1349, 43.5768

Sweetspot

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



28.3946, 27.1362, 20.2646



62.8919, 64.5152, 63.5765



28.4172, 23.2747, 32.3157



13.8446, 14.1488, 13.7396



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.3946, 27.1362, 20.2646



48.4910, 45.0439, 30.0118



32.6328, 35.6126, 21.6773



7.7390, 7.9581, 7.9175



13.4248, 8.7469, 0.9808



0.3746, 0.3088, 0.0399

Inverse Universe

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



25.5244, 28.7476, 42.2339



42.4609, 48.4100, 76.1080



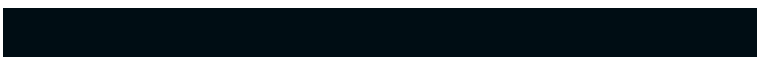
21.6786, 21.0560, 40.9519



7.5221, 8.0810, 9.5817



9.5067, 10.4736, 29.4960



0.2766, 0.3455, 0.7327

Previews

White Background



This preview shows how the XYZ color 28.3939, 27.1349, 20.2640 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 28.3939, 27.1349, 20.2640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

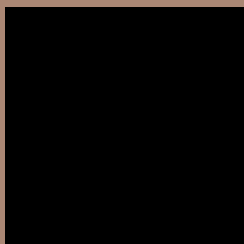
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3939, 27.1349, 20.2640

Background



This preview shows how black text looks on a background with the XYZ color 28.3939, 27.1349, 20.2640.



This preview shows how white text looks on a background with the XYZ color 28.3939, 27.1349,

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

28.3939, 27.1349, 20.2640

Protanopia

25.5805, 27.1619, 21.3473

Deuteranopia

27.6151, 27.1516, 20.3083



Tritanopia

30.2324, 27.0698, 29.2228

Trichromacy



Original Color

28.3939, 27.1349, 20.2640

Protanomaly

26.4073, 26.9413, 20.9479

Deuteranomaly

27.8929, 27.0848, 20.2808

Tritanomaly

29.4982, 26.9666, 25.8407

Monochromacy



Original Color

28.3939, 27.1349, 20.2640

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

26.7486, 27.2219, 26.0349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3939, 27.1349, 20.2640 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(170, 135, 116)` looks like.

```
.text, #text, p{  
    color:rgb(170, 135, 116)  
}
```

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(170, 135, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 135, 116) }
```

Border

The CSS property to change the border of an element to XYZ 28.3939, 27.1349, 20.2640 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(170, 135, 116) }
```


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

```
.border{ border-color:rgb(170, 135, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 135, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 135, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 135, 116);  
box-shadow:4px 4px 4px 4px rgb(170, 135,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3939, 27.1349, 20.2640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 135, 116) }
```

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

```
.background{ background-color: rgb(170,  
135, 116) }
```

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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