

Converting Colors

XYZ(28.2941, 39.7682, 19.8528)

Have a look what the booklet for
XYZ(28.2941, 39.7682, 19.8528)
contains.

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Color

**XYZ(28.1995, 39.6816,
19.8087)**

Conversions

Conversions Part 1

Format	Color
Hex	7DB86A
RGB	125, 184, 106
RGB Percent	49%, 72%, 42%
CMY	0.5098, 0.2784, 0.5843
CMYK	0.32, 0.00, 0.42, 0.28
HSL	105°, 35%, 57%
HSV	105°, 42%, 72%
XYZ	28.1995, 39.6816, 19.8087
YIQ	157.4670, -10.1260, -36.7660

Conversions

Conversions Part 2

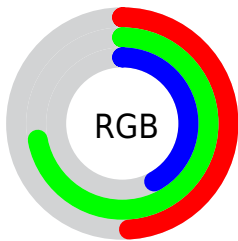
Format	Color
RYB	106, 184, 165
Decimal	8239210
CIELab	69.24, -33.94, 33.64
CIElCh	69, 47.791, 135.253
Yxy	39.6816, 0.3216, 0.4525
Android (android.graphics.Color)	4286429290 (0xFF7DB86A)
YUV	157.4670, -25.3732, -28.4736
Hunter-Lab	62.9933, -30.3313, 25.4512

Details

The XYZ color **28.1995, 39.6816, 19.8087** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **29.3246, 21.7693, 48.0059**, and the grayscale version is **32.3734, 34.0594, 37.0906**.

A 20% lighter version of the original color is **56.1540, 74.4921, 43.7665**, and **11.6025, 17.9445, 6.7230** is the 20% darker color. If you saturate the color by 10%, you get **25.4522, 38.3654, 15.2101**, and if you desaturate by 10%, it is **31.4389, 41.2301, 25.5037**.

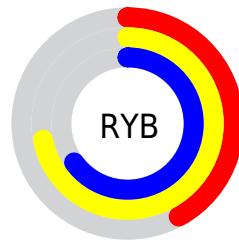
Distribution



Red (49%)

Green (72%)

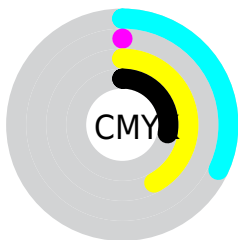
Blue (42%)



Red (42%)

Yellow (72%)

Blue (65%)

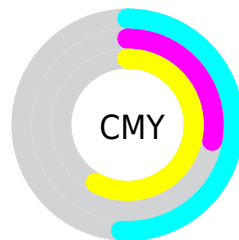


Cyan (32%)

Magenta (0%)

Yellow (42%)

Black (28%)



Cyan (51%)


Magenta (28%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1995, 39.6816, 19.8087 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 28.1995, 39.6816, 19.8087 by changing the saturation by 10% instead.


 28.1995, 39.6816,
19.8087


 28.1995, 39.6816,
19.8087


285.4818,
344.7797, 263.4475


 18.6173, 27.2904,
12.0734


 56.2092, 74.6784,
43.9510


 11.4965, 17.7914,
6.6705


 75.3675, 98.0528,
61.1950

 6.4715, 10.8003,
3.1816


 98.4484, 125.8570,
82.4456

 3.1772, 5.9327,
1.1881

 125.8175,
158.4755, 108.1215

 1.2482, 2.8042,
0.0000

157.8400,
196.2926, 138.6411

 0.1439, 1.0304,
0.0000

194.8813,

 0.0000, 0.0000,

239.6928, 174.4229

0.0000

237.3068,
289.0603, 215.8855

■ 28.1995, 39.6816,
19.8087

■ 28.1995, 39.6816,
19.8087

■ 25.4522, 38.3654,
15.2101

■ 31.4389, 41.2301,
25.5037

■ 23.1689, 37.2652,
11.6348

■ 35.1906, 43.0164,
32.3566

■ 21.3234, 36.3700,
9.0053


■ 39.4773, 45.0520,
40.4275


■ 19.8849, 35.6663,
7.2314


■ 44.3192, 47.3463,
49.7715


■ 18.8185, 35.1381,
6.2060


■ 49.7358, 49.9081,
60.4404

 18.2155, 34.8364,
5.7640

 55.7452, 52.7458,
72.4831

 62.3651, 55.8673,
85.9460

 69.6121, 59.2804,
100.8734

 74.7121, 61.8763,
102.6133

Harmonies

Analogous

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



33.9753, 39.6816, 13.9654



28.1995, 39.6816, 19.8087



25.1989, 39.6816, 33.3411

Triad

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



28.1995, 39.6816, 19.8087



34.0926, 39.6816, 98.1285



53.7712, 39.6816, 33.0393

Complementary

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



28.1995, 39.6816, 19.8087



29.3246, 21.7693, 48.0059

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.



53.8139, 39.6816, 54.8480



28.1995, 39.6816, 19.8087



41.7221, 39.6816, 97.9620

Square

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



28.1995, 39.6816, 19.8087



28.2753, 39.6816, 80.5875



49.1640, 39.6816, 80.1890



49.0544, 39.6816, 19.6525

Rectangle

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



28.1995, 39.6816, 19.8087



24.8770, 39.6816, 47.1816



49.1640, 39.6816, 80.1890



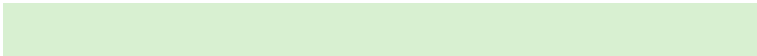
54.3518, 39.6816, 39.4612

Sweetspot

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



28.2005, 39.6833, 19.8096



70.8804, 81.3429, 71.9877



35.7355, 37.9630, 19.0804



14.8977, 17.3543, 14.7929



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.2005, 39.6833, 19.8096



46.3830, 69.6629, 27.9712



26.8193, 38.8405, 25.6542



9.0898, 10.1629, 9.5895



12.6082, 24.0361, 3.9749



0.5020, 0.8770, 0.1428

Inverse Universe

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



29.3246, 21.7693, 48.0059



48.6548, 32.7925, 85.9698



31.6688, 23.1979, 38.1693



9.1615, 9.0496, 11.3433



13.3883, 6.2131, 31.7467



0.5241, 0.2459, 1.1216

Previews

White Background



This preview shows how the XYZ color 28.1995, 39.6816, 19.8087 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 28.1995, 39.6816, 19.8087 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 28.1995, 39.6816, 19.8087

Background



This preview shows how black text looks on a background with the XYZ color 28.1995, 39.6816, 19.8087.



This preview shows how white text looks on a background with the XYZ color 28.1995, 39.6816,

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

28.1995, 39.6816, 19.8087

Protanopia

36.0700, 39.1157, 17.7056

Deuteranopia

39.9712, 39.1940, 20.4974



Tritanopia

34.8606, 39.3919, 53.3430

Trichromacy



Original Color

28.1995, 39.6816, 19.8087

Protanomaly

32.6386, 39.0179, 18.3814

Deuteranomaly

34.4038, 38.4787, 20.0819

Tritanomaly

31.9235, 39.3777, 38.2659

Monochromacy



Original Color

28.1995, 39.6816, 19.8087

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.0832, 35.4922, 29.3099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1995, 39.6816, 19.8087 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(125, 184, 106)` looks like.

```
.text, #text, p{  
    color:rgb(125, 184, 106)  
}
```

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(125, 184, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 184, 106) }
```

Border

The CSS property to change the border of an element to XYZ 28.1995, 39.6816, 19.8087 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(125, 184, 106) }
```


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

```
.border{ border-color:rgb(125, 184, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 184, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 184, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 184, 106);  
box-shadow:4px 4px 4px 4px rgb(125, 184,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1995, 39.6816, 19.8087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 184, 106) }
```

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

```
.background{ background-color: rgb(125,  
184, 106) }
```

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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