

Converting Colors

XYZ(28.2983, 35.2961, 9.8091)

Have a look what the booklet for
XYZ(28.2983, 35.2961, 9.8091)
contains.

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Color

**XYZ(28.3897, 35.3216,
9.8789)**

Conversions

Conversions Part 1

Format	Color
Hex	9BA83E
RGB	155, 168, 62
RGB Percent	61%, 66%, 24%
CMY	0.3922, 0.3412, 0.7568
CMYK	0.08, 0.00, 0.63, 0.34
HSL	67°, 46%, 45%
HSV	67°, 63%, 66%
XYZ	28.3897, 35.3216, 9.8789
YIQ	152.0290, 26.2780, -35.7220

Conversions

Conversions Part 2

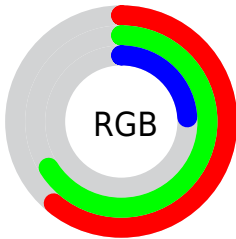
Format	Color
RYB	62, 168, 75
Decimal	10201150
CIELab	66.00, -19.21, 51.51
CIElCh	66, 54.973, 110.455
Yxy	35.3216, 0.3858, 0.4800
Android (android.graphics.Color)	4288391230 (0xFF9BA83E)
YUV	152.0290, -44.3843, 2.6056
Hunter-Lab	59.4320, -18.7394, 31.7471

Details

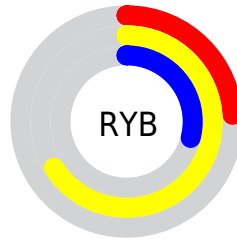
The XYZ color **28.3897, 35.3216, 9.8789** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.6934, 7.7691, 37.9312**, and the grayscale version is **30.0360, 31.6002, 34.4127**.

A 20% lighter version of the original color is **56.5763, 67.9873, 26.0606**, and **11.6122, 15.2575, 2.3330** is the 20% darker color. If you saturate the color by 10%, you get **27.6063, 34.9642, 7.7969**, and if you desaturate by 10%, it is **29.3241, 35.7427, 12.7132**.

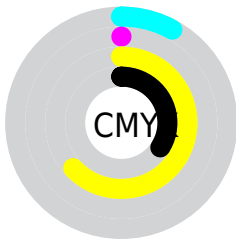
Distribution



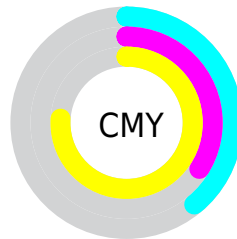
- Red (61%)
- Green (66%)
- Blue (24%)



- Red (24%)
- Yellow (66%)
- Blue (29%)



- Cyan (8%)
- Magenta (0%)
- Yellow (63%)
- Black (34%)





- Cyan (39%)
- Magenta (34%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3897, 35.3216, 9.8789 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 28.3897, 35.3216, 9.8789 by changing the saturation by 10% instead.


 28.3897, 35.3216,
9.8789


 28.3897, 35.3216,
9.8789


286.3708,
325.9856, 200.2589


 18.7616, 23.9107,
5.2142


 56.5103, 67.9837,
26.1717

 11.6011, 15.2674,
2.3125


 75.7335, 90.0037,
38.6369

 6.5429, 9.0073,
0.7382


 98.8858, 116.3288,
54.5393

 3.2217, 4.7459,
0.0000

 126.3325,
147.3435, 74.2975

 1.2721, 2.0990,
0.0000

 158.4390,
183.4321, 98.3300

 0.1622, 0.6640,
0.0000

195.5707,

 0.0000, 0.0000,

224.9791, 127.0554

0.0000

238.0928,
272.3688, 160.8922

■ 28.3897, 35.3216,
9.8789

■ 28.3897, 35.3216,
9.8789

■ 27.6063, 34.9642,
7.7969

■ 29.3241, 35.7427,
12.7132

■ 26.9576, 34.6602,
6.3933

■ 30.4188, 36.2275,
16.3604

■ 26.4283, 34.4047,
5.5831

■ 31.6855, 36.7818,
20.8772

■ 26.1066, 34.2463,
5.2342

■ 33.1338, 37.4096,
26.3149

■ 34.7728, 38.1145,
32.7205

■ 36.6108, 38.8997,
40.1380

■ 38.6557, 39.7685,
48.6088

■ 40.9149, 40.7238,
58.1717

■ 43.3954, 41.7685,
68.8637

Harmonies

Analogous

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



36.2372, 35.3216, 9.0133



28.3897, 35.3216, 9.8789



22.8832, 35.3216, 16.3834

Triad

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



28.3897, 35.3216, 9.8789



24.5535, 35.3216, 84.4652



51.5110, 35.3216, 46.3883

Complementary

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



28.3897, 35.3216, 9.8789



11.6934, 7.7691, 37.9312

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.



47.1587, 35.3216, 74.6780



28.3897, 35.3216, 9.8789



31.0410, 35.3216, 101.8356

Square

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



28.3897, 35.3216, 9.8789



20.9298, 35.3216, 56.3652



39.3497, 35.3216, 97.6681



50.4923, 35.3216, 24.8145

Rectangle

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



28.3897, 35.3216, 9.8789



20.8677, 35.3216, 25.3182



39.3497, 35.3216, 97.6681



50.6042, 35.3216, 55.5050

Sweetspot

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



28.3905, 35.3232, 9.8796



61.1954, 68.3438, 51.8929



19.4925, 13.6203, 6.1595



13.1655, 14.8217, 10.6432



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.



28.3905, 35.3232, 9.8796



49.5581, 63.1953, 12.9099



20.4250, 31.2168, 9.5069



8.0550, 8.7264, 8.0491



19.7426, 25.8749, 3.9538



0.5048, 0.6422, 0.0973

Inverse Universe

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



11.6934, 7.7691, 37.9312



16.8358, 9.0626, 68.0870



17.5988, 10.8135, 38.2075



7.2142, 7.3430, 9.4555



5.5896, 2.2650, 28.1181



0.1612, 0.0681, 0.6853

Previews

White Background



This preview shows how the XYZ color 28.3897, 35.3216, 9.8789 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 28.3897, 35.3216, 9.8789 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 28.3897, 35.3216, 9.8789

Background



This preview shows how black text looks on a background with the XYZ color 28.3897, 35.3216, 9.8789.



This preview shows how white text looks on a background with the XYZ color 28.3897, 35.3216,

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

28.3897, 35.3216, 9.8789

Protanopia

31.9768, 35.0516, 9.3552

Deuteranopia

35.7945, 35.0038, 10.1800



Tritanopia

35.0386, 35.1232, 42.9629

Trichromacy



Original Color

28.3897, 35.3216, 9.8789

Protanomaly

30.5171, 35.0774, 9.5771

Deuteranomaly

32.7094, 34.9027, 10.0139

Tritanomaly

31.7419, 34.8098, 26.5187

Monochromacy



Original Color

28.3897, 35.3216, 9.8789

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.6935, 32.5579, 22.2248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3897, 35.3216, 9.8789 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(155, 168, 62)` looks like.

```
.text, #text, p{  
    color:rgb(155, 168, 62)  
}
```

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(155, 168, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 168, 62) }
```

Border

The CSS property to change the border of an element to XYZ 28.3897, 35.3216, 9.8789 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(155, 168, 62) }
```


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

```
.border{ border-color:rgb(155, 168, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 168, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 168, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 168, 62);  
box-shadow:4px 4px 4px 4px rgb(155, 168,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3897, 35.3216, 9.8789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 168, 62) }
```

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

```
.background{ background-color: rgb(155,  
168, 62) }
```

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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