

Converting Colors

XYZ(27.8369, 32.6788, 8.8112)

Have a look what the booklet for
XYZ(27.8369, 32.6788, 8.8112)
contains.

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Color

**XYZ(27.8598, 32.6788,
8.8423)**

Conversions

Conversions Part 1

Format	Color
Hex	A19F3A
RGB	161, 159, 58
RGB Percent	63%, 62%, 23%
CMY	0.3686, 0.3765, 0.7725
CMYK	0.00, 0.01, 0.64, 0.37
HSL	59°, 47%, 43%
HSV	59°, 64%, 63%
XYZ	27.8598, 32.6788, 8.8423
YIQ	148.0840, 33.6130, -30.9870

Conversions

Conversions Part 2

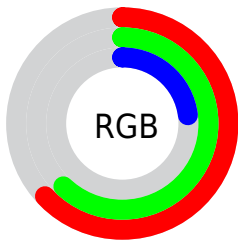
Format	Color
RYB	60, 161, 58
Decimal	10592058
CIELab	63.90, -12.26, 51.15
CIELCh	64, 52.598, 103.479
Yxy	32.6788, 0.4015, 0.4710
Android (android.graphics.Color)	4288782138 (0xFFA19F3A)
YUV	148.0840, -44.4114, 11.3273
Hunter-Lab	57.1654, -13.0466, 30.8448

Details

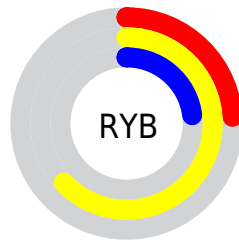
The XYZ color **27.8598, 32.6788, 8.8423** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.7939, 6.7044, 34.4959**, and the grayscale version is **28.3539, 29.8305, 32.4854**.

A 20% lighter version of the original color is **55.5222, 63.6197, 24.1054**, and **11.3064, 13.7893, 2.0657** is the 20% darker color. If you saturate the color by 10%, you get **27.4594, 32.4341, 6.9946**, and if you desaturate by 10%, it is **28.3900, 32.9780, 11.3659**.

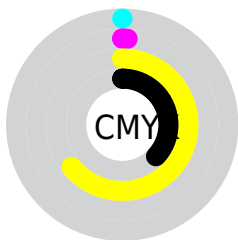
Distribution



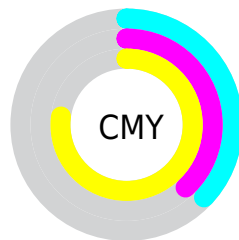
- Red (63%)
- Green (62%)
- Blue (23%)



- Red (24%)
- Yellow (63%)
- Blue (23%)



- Cyan (0%)
- Magenta (1%)
- Yellow (64%)
- Black (37%)



- Cyan (37%)
- Magenta (38%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8598, 32.6788, 8.8423 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 27.8598, 32.6788, 8.8423 by changing the saturation by 10% instead.

■ 27.8598, 32.6788,
8.8423

■ 27.8598, 32.6788,
8.8423

283.8886,
314.1999, 192.3716

■ 18.3599, 21.8805,
4.5431

■ 55.6707, 63.8737,
24.1667

■ 11.3099, 13.7691,
1.9277

■ 74.7125, 85.0392,
36.0290

■ 6.3445, 7.9603,
0.5103

■ 97.6656, 110.4291,
51.2494

■ 3.0983, 4.0695,
0.0000

■ 124.8954,
140.4279, 70.2464

■ 1.2060, 1.7125,
0.0000

■ 156.7672,
175.4200, 93.4386

■ 0.1111, 0.4318,
0.0000

■ 193.6465,

■ 0.0000, 0.0000,

215.7897, 121.2445

0.0000

235.8985,
261.9216, 154.0827

■ 27.8598, 32.6788,
8.8423

■ 27.8598, 32.6788,
8.8423

■ 27.4594, 32.4341,
6.9946

■ 28.3900, 32.9780,
11.3659

■ 27.1740, 32.2345,
5.7555

■ 29.0584, 33.3316,
14.6204

■ 26.9896, 32.0754,
5.0473

■ 29.8756, 33.7448,
18.6573

■ 26.9044, 31.9900,
4.7567

■ 30.8503, 34.2212,
23.5230

■ 31.9906, 34.7642,
29.2603

■ 33.3042, 35.3766,
35.9090

■ 34.7980, 36.0614,
43.5064

■ 36.4788, 36.8212,
52.0879

■ 38.3530, 37.6585,
61.6868

Harmonies

Analogous

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



35.2853, 32.6788, 9.0655



27.8598, 32.6788, 8.8423



22.2610, 32.6788, 13.4445

Triad

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



27.8598, 32.6788, 8.8423



21.8359, 32.6788, 71.6388



46.7989, 32.6788, 48.4754

Complementary

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



27.8598, 32.6788, 8.8423



9.7939, 6.7044, 34.4959

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.



41.9175, 32.6788, 74.1060



27.8598, 32.6788, 8.8423



27.1866, 32.6788, 90.7039

Square

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



27.8598, 32.6788, 8.8423



19.1748, 32.6788, 45.9521



34.4968, 32.6788, 91.7529



47.0564, 32.6788, 26.9021

Rectangle

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



27.8598, 32.6788, 8.8423



19.9875, 32.6788, 20.3092



34.4968, 32.6788, 91.7529



45.6131, 32.6788, 57.0595

Sweetspot

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



27.8606, 32.6803, 8.8430



56.1556, 61.7214, 46.6727



17.0652, 10.9451, 5.6900



12.1984, 13.4803, 9.6464



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



27.8606, 32.6803, 8.8430



48.9249, 57.9175, 11.4069



20.3103, 29.3015, 8.5887



7.6376, 8.2136, 7.5629



21.4915, 25.5569, 3.8003



0.4550, 0.5439, 0.0810

Inverse Universe

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



9.7939, 6.7044, 34.4959



13.9374, 7.6253, 61.1238



13.8982, 8.6680, 34.6586



6.7110, 6.8809, 8.8775



5.1684, 2.1163, 27.0659



0.1117, 0.0507, 0.5698

Previews

White Background



This preview shows how the XYZ color 27.8598, 32.6788, 8.8423 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 27.8598, 32.6788, 8.8423 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 27.8598, 32.6788, 8.8423

Background



This preview shows how black text looks on a background with the XYZ color 27.8598, 32.6788, 8.8423.



This preview shows how white text looks on a background with the XYZ color 27.8598, 32.6788,

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

27.8598, 32.6788, 8.8423

Protanopia

29.6934, 32.6223, 8.6026

Deuteranopia

33.2955, 32.5527, 9.0859



Tritanopia

33.7580, 32.6141, 38.2341

Trichromacy



Original Color

27.8598, 32.6788, 8.8423

Protanomaly

28.9892, 32.5074, 8.6175

Deuteranomaly

30.9650, 32.2939, 9.0162

Tritanomaly

30.9657, 32.4532, 23.7008

Monochromacy



Original Color

27.8598, 32.6788, 8.8423

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.4596, 30.4666, 20.6530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8598, 32.6788, 8.8423 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(161, 159, 58)` looks like.

```
.text, #text, p{  
    color:rgb(161, 159, 58)  
}
```

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(161, 159, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 159, 58) }
```

Border

The CSS property to change the border of an element to XYZ 27.8598, 32.6788, 8.8423 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(161, 159, 58) }
```


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

```
.border{ border-color:rgb(161, 159, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 159, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 159, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 159, 58);  
box-shadow:4px 4px 4px 4px rgb(161, 159,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8598, 32.6788, 8.8423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 159, 58) }
```

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

```
.background{ background-color: rgb(161,  
159, 58) }
```

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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