

Converting Colors

XYZ(22.0038, 27.9419, 8.2504)

Have a look what the booklet for
XYZ(22.0038, 27.9419, 8.2504)
contains.

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Color

**XYZ(21.9836, 27.9129,
8.2320)**

Conversions

Conversions Part 1

Format	Color
Hex	87983A
RGB	135, 152, 58
RGB Percent	53%, 60%, 23%
CMY	0.4706, 0.4039, 0.7725
CMYK	0.11, 0.00, 0.62, 0.40
HSL	71°, 45%, 41%
HSV	71°, 62%, 60%
XYZ	21.9836, 27.9129, 8.2320
YIQ	136.2010, 20.0420, -32.8380

Conversions

Conversions Part 2

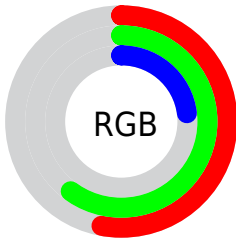
Format	Color
RYB	58, 152, 75
Decimal	8886330
CIELab	59.81, -19.85, 46.14
CIELCh	60, 50.226, 113.277
Yxy	27.9129, 0.3782, 0.4802
Android (android.graphics.Color)	4287076410 (0xFF87983A)
YUV	136.2010, -38.5531, -1.0533
Hunter-Lab	52.8327, -18.1835, 27.7447

Details

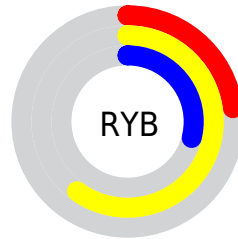
The XYZ color **21.9836, 27.9129, 8.2320** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.0832, 6.7896, 30.4866**, and the grayscale version is **23.6126, 24.8423, 27.0532**.

A 20% lighter version of the original color is **46.0668, 56.1939, 22.8865**, and **8.1334, 11.1012, 1.7141** is the 20% darker color. If you saturate the color by 10%, you get **21.2161, 27.5565, 6.4672**, and if you desaturate by 10%, it is **22.8780, 28.3234, 10.5998**.

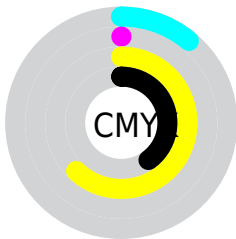
Distribution



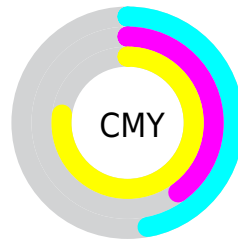
- Red (53%)
- Green (60%)
- Blue (23%)



- Red (23%)
- Yellow (60%)
- Blue (29%)



- Cyan (11%)
- Magenta (0%)
- Yellow (62%)
- Black (40%)



- Cyan (47%)
- Magenta (40%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9836, 27.9129, 8.2320 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 21.9836, 27.9129, 8.2320 by changing the saturation by 10% instead.

■ 21.9836, 27.9129,
8.2320

■ 21.9836, 27.9129,
8.2320

255.0946,
292.0505, 187.5426

■ 13.9614, 18.2600,
4.1539

■ 46.1979, 56.3454,
22.9656

■ 8.1753, 11.1368,
1.7101

■ 63.1208, 75.8937,
34.4582

■ 4.2601, 6.1589,
0.3677

■ 83.7412, 99.5093,
49.2594

■ 1.8503, 2.9420,
0.0000

■ 108.4246,
127.5766, 67.7877

■ 0.5477, 1.1015,
0.0000

■ 137.5362,
160.4800, 90.4616

■ 0.0000, 0.0000,
0.0000

■ 171.4416,

198.6039, 117.6997

210.5059,
242.3325, 149.9205

■ 21.9836, 27.9129,
8.2320

■ 21.9836, 27.9129,
8.2320

■ 21.2161, 27.5565,
6.4672

■ 22.8780, 28.3234,
10.5998

■ 20.5632, 27.2461,
5.2490

■ 23.9066, 28.7880,
13.6170

■ 20.0130, 26.9782,
4.5134

■ 25.0783, 29.3111,
17.3272

■ 19.6145, 26.7808,
4.1354

■ 26.4007, 29.8958,
21.7701

■ 27.8808, 30.5450,
26.9822

■ 29.5252, 31.2613,
32.9975

■ 31.3400, 32.0471,
39.8481

■ 33.3311, 32.9049,
47.5642

■ 35.5040, 33.8367,
56.1748

Harmonies

Analogous

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



27.9884, 27.9129, 7.1867



21.9836, 27.9129, 8.2320



17.8831, 27.9129, 13.8877

Triad

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



21.9836, 27.9129, 8.2320



19.8671, 27.9129, 68.0128



40.6288, 27.9129, 34.6812

Complementary

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



21.9836, 27.9129, 8.2320



10.0832, 6.7896, 30.4866

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.



37.5938, 27.9129, 56.5243



21.9836, 27.9129, 8.2320



25.1239, 27.9129, 80.1554

Square

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



21.9836, 27.9129, 8.2320



16.8046, 27.9129, 46.4469



31.6645, 27.9129, 75.2741



39.4296, 27.9129, 18.5429

Rectangle

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



21.9836, 27.9129, 8.2320



16.4542, 27.9129, 21.3847



31.6645, 27.9129, 75.2741



40.0559, 27.9129, 41.6295

Sweetspot

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



21.9843, 27.9142, 8.2326



47.2165, 53.0385, 40.5696



16.1402, 11.8348, 5.4370



10.5811, 11.9887, 8.6994



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.9843, 27.9142, 8.2326



37.0094, 48.4308, 10.5353



16.1449, 24.9038, 7.9593



6.5993, 7.1664, 6.6413



16.4690, 22.4660, 3.4684



0.2715, 0.3489, 0.0530

Inverse Universe

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



10.0832, 6.7896, 30.4866



14.2775, 7.9654, 53.2186



15.0200, 9.3346, 30.7177



5.9836, 6.0774, 7.7867



5.1622, 2.1123, 25.0433



0.0999, 0.0433, 0.3755

Previews

White Background



This preview shows how the XYZ color 21.9836, 27.9129, 8.2320 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 21.9836, 27.9129, 8.2320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

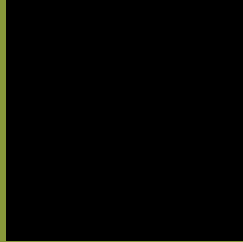
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9836, 27.9129, 8.2320

Background



This preview shows how black text looks on a background with the XYZ color 21.9836, 27.9129, 8.2320.



This preview shows how white text looks on a background with the XYZ color 21.9836, 27.9129,

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

21.9836, 27.9129, 8.2320

Protanopia

25.1843, 27.7056, 7.7617

Deuteranopia

28.2030, 27.7152, 8.5657



Tritanopia

27.1828, 27.6988, 34.4856

Trichromacy



Original Color

21.9836, 27.9129, 8.2320

Protanomaly

23.9347, 27.7422, 7.9642

Deuteranomaly

25.4156, 27.3643, 8.3572

Tritanomaly

24.5932, 27.5524, 21.4747

Monochromacy



Original Color

21.9836, 27.9129, 8.2320

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.5331, 25.6630, 17.9532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9836, 27.9129, 8.2320 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(135, 152, 58)` looks like.

```
.text, #text, p{  
    color:rgb(135, 152, 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(135, 152, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 152, 58) }
```

Border

The CSS property to change the border of an element to XYZ 21.9836, 27.9129, 8.2320 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(135, 152, 58) }
```


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

```
.border{ border-color:rgb(135, 152, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 152, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 152, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 152, 58);  
box-shadow:4px 4px 4px 4px rgb(135, 152,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9836, 27.9129, 8.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 152, 58) }
```

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

```
.background{ background-color: rgb(135,  
152, 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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