

Converting Colors

XYZ(21.9672, 27.1963, 7.8332)

Have a look what the booklet for
XYZ(21.9672, 27.1963, 7.8332)
contains.

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Color

**XYZ(21.9425, 27.1837,
7.8319)**

Conversions

Conversions Part 1

Format	Color
Hex	8A9538
RGB	138, 149, 56
RGB Percent	54%, 58%, 22%
CMY	0.4588, 0.4157, 0.7804
CMYK	0.07, 0.00, 0.62, 0.42
HSL	67°, 45%, 40%
HSV	67°, 62%, 58%
XYZ	21.9425, 27.1837, 7.8319
YIQ	135.1090, 23.2970, -31.2550

Conversions

Conversions Part 2

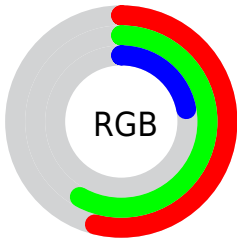
Format	Color
RYB	56, 149, 67
Decimal	9082168
CIELab	59.14, -17.17, 46.38
CIElCh	59, 49.458, 110.313
Yxy	27.1837, 0.3852, 0.4773
Android (android.graphics.Color)	4287272248 (0xFF8A9538)
YUV	135.1090, -39.0007, 2.5354
Hunter-Lab	52.1380, -16.1190, 27.5904

Details

The XYZ color **21.9425, 27.1837, 7.8319** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.1547, 6.1922, 29.1481**, and the grayscale version is **23.2045, 24.4129, 26.5857**.

A 20% lighter version of the original color is **46.0021, 55.1109, 22.1228**, and **8.1140, 10.6667, 1.6312** is the 20% darker color. If you saturate the color by 10%, you get **21.3419, 26.9110, 6.1767**, and if you desaturate by 10%, it is **22.6576, 27.5047, 10.0598**.

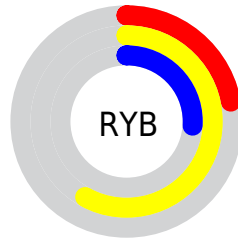
Distribution



Red (54%)

Green (58%)

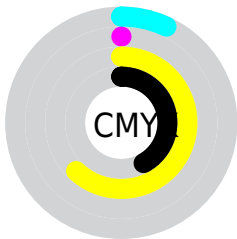
Blue (22%)



Red (22%)

Yellow (58%)

Blue (26%)

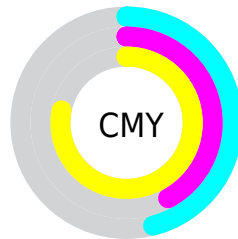


Cyan (7%)

Magenta (0%)

Yellow (62%)

Black (42%)



Cyan (46%)

Magenta (42%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9425, 27.1837, 7.8319 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 21.9425, 27.1837, 7.8319 by changing the saturation by 10% instead.

■ 21.9425, 27.1837,
7.8319

■ 21.9425, 27.1837,
7.8319

254.8839,
288.5455, 184.2926

■ 13.9310, 17.7112,
3.9013

■ 46.1305, 55.1785,
22.1689

■ 8.1541, 10.7429,
1.5714

■ 63.0377, 74.4696,
33.4125

■ 4.2463, 5.8942,
0.2703

■ 83.6409, 97.8024,
47.9308

■ 1.8424, 2.7809,
0.0000

■ 108.3055,
125.5613, 66.1424

■ 0.5430, 1.0184,
0.0000

■ 137.3967,
158.1307, 88.4659

■ 0.0000, 0.0000,
0.0000

■ 171.2799,

195.8949, 115.3197

210.3205,
239.2383, 147.1224

■ 21.9425, 27.1837,
7.8319

■ 21.9425, 27.1837,
7.8319

■ 21.3419, 26.9110,
6.1767

■ 22.6576, 27.5047,
10.0598

■ 20.8440, 26.6790,
5.0401

■ 23.4940, 27.8738,
12.9046

■ 20.4375, 26.4840,
4.3606

■ 24.4603, 28.2954,
16.4084

■ 20.1661, 26.3513,
4.0234

■ 25.5637, 28.7724,
20.6090

■ 26.8108, 29.3074,
25.5411

■ 28.2078, 29.9030,
31.2374

■ 29.7606, 30.5614,
37.7285

■ 31.4746, 31.2849,
45.0434

■ 33.3552, 32.0755,
53.2095

Harmonies

Analogous

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



27.8805, 27.1837, 7.1812



21.9425, 27.1837, 7.8319



17.7575, 27.1837, 12.8001

Triad

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



21.9425, 27.1837, 7.8319



18.9920, 27.1837, 64.0969



39.3486, 27.1837, 35.6765

Complementary

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



21.9425, 27.1837, 7.8319



9.1547, 6.1922, 29.1481

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.



36.0577, 27.1837, 56.9507



21.9425, 27.1837, 7.8319



23.8964, 27.1837, 77.1628

Square

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



21.9425, 27.1837, 7.8319



16.2511, 27.1837, 42.9938



30.1677, 27.1837, 74.1261



38.6025, 27.1837, 19.3218

Rectangle

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



21.9425, 27.1837, 7.8319



16.2187, 27.1837, 19.5846



30.1677, 27.1837, 74.1261



38.6602, 27.1837, 42.5494

Sweetspot

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



21.9431, 27.1849, 7.8325



46.4276, 51.8037, 39.4406



15.1075, 10.6724, 5.0055



10.1654, 11.4272, 8.2573



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.9431, 27.1849, 7.8325



37.8310, 48.0121, 10.1186



15.8410, 24.0392, 7.5469



6.1986, 6.7102, 6.2090



16.9878, 22.1854, 3.3869



0.2233, 0.2795, 0.0422

Inverse Universe

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



9.1547, 6.1922, 29.1481



13.0137, 7.1830, 51.6218



13.6951, 8.5329, 29.3606



5.5595, 5.6639, 7.2700



4.7845, 1.9391, 24.0531



0.0710, 0.0301, 0.2950

Previews

White Background



This preview shows how the XYZ color 21.9425, 27.1837, 7.8319 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 21.9425, 27.1837, 7.8319 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 21.9425, 27.1837, 7.8319

Background



This preview shows how black text looks on a background with the XYZ color 21.9425, 27.1837, 7.8319.



This preview shows how white text looks on a background with the XYZ color 21.9425, 27.1837,

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

21.9425, 27.1837, 7.8319

Protanopia

24.6369, 26.9833, 7.3998

Deuteranopia

27.3841, 26.8843, 8.0209



Tritanopia

27.1767, 27.2864, 33.1126

Trichromacy



Original Color

21.9425, 27.1837, 7.8319

Protanomaly

23.5775, 27.1059, 7.6037

Deuteranomaly

25.0678, 26.7533, 7.9804

Tritanomaly

24.4764, 26.8352, 20.4127

Monochromacy



Original Color

21.9425, 27.1837, 7.8319

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.1329, 25.0310, 17.3006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9425, 27.1837, 7.8319 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(138, 149, 56)` looks like.

```
.text, #text, p{  
    color:rgb(138, 149, 56)  
}
```

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(138, 149, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 149, 56) }
```

Border

The CSS property to change the border of an element to XYZ 21.9425, 27.1837, 7.8319 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(138, 149, 56) }
```


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

```
.border{ border-color:rgb(138, 149, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 149, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 149, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 149, 56);  
box-shadow:4px 4px 4px 4px rgb(138, 149,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9425, 27.1837, 7.8319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 149, 56) }
```

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

```
.background{ background-color: rgb(138,  
149, 56) }
```

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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