

Converting Colors

XYZ(21.8234, 27.3524, 8.1323)

Have a look what the booklet for
XYZ(21.8234, 27.3524, 8.1323)
contains.

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Color

**XYZ(21.8234, 27.3524,
8.1323)**

Conversions

Conversions Part 1

Format	Color
Hex	88963A
RGB	136, 150, 58
RGB Percent	53%, 59%, 23%
CMY	0.4667, 0.4117, 0.7725
CMYK	0.09, 0.00, 0.61, 0.41
HSL	69°, 44%, 41%
HSV	69°, 61%, 59%
XYZ	21.8234, 27.3524, 8.1323
YIQ	135.3260, 21.1880, -31.5800

Conversions

Conversions Part 2

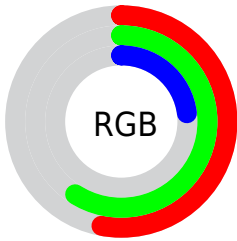
Format	Color
RYB	58, 150, 72
Decimal	8951354
CIELab	59.30, -18.39, 45.60
CIElCh	59, 49.170, 111.968
Yxy	27.3524, 0.3808, 0.4773
Android (android.graphics.Color)	4287141434 (0xFF88963A)
YUV	135.3260, -38.1217, 0.5911
Hunter-Lab	52.2995, -17.0402, 27.3904

Details

The XYZ color **21.8234, 27.3524, 8.1323** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.6915, 6.6065, 29.6201**, and the grayscale version is **23.2827, 24.4953, 26.6753**.

A 20% lighter version of the original color is **45.8390, 55.3662, 22.7388**, and **8.0291, 10.7627, 1.6542** is the 20% darker color. If you saturate the color by 10%, you get **21.1294, 27.0334, 6.3900**, and if you desaturate by 10%, it is **22.6378, 27.7224, 10.4617**.

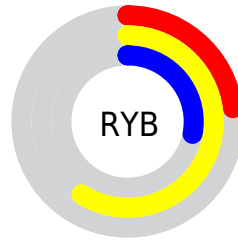
Distribution



Red (53%)

Green (59%)

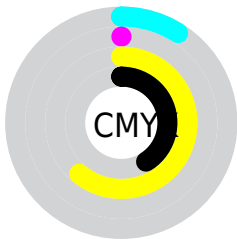
Blue (23%)



Red (23%)

Yellow (59%)

Blue (28%)

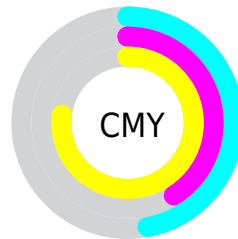


Cyan (9%)

Magenta (0%)

Yellow (61%)

Black (41%)



Cyan (47%)

Magenta (41%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8234, 27.3524, 8.1323 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 21.8234, 27.3524, 8.1323 by changing the saturation by 10% instead.

■ 21.8234, 27.3524,
8.1323

■ 21.8234, 27.3524,
8.1323

254.2724,
289.3594, 186.7392

■ 13.8431, 17.8381,
4.0907

■ 45.9350, 55.4488,
22.7678

■ 8.0926, 10.8338,
1.6753

■ 62.7969, 74.7997,
34.1989

■ 4.2065, 5.9552,
0.3437

■ 83.3501, 98.1983,
48.9302

■ 1.8196, 2.8178,
0.0000

■ 107.9599,
126.0288, 67.3803

■ 0.5295, 1.0374,
0.0000

■ 136.9917,
158.6758, 89.9677

■ 0.0000, 0.0000,
0.0000

■ 170.8108,

196.5237, 117.1109

209.7826,
239.9567, 149.2286

■ 21.8234, 27.3524,
8.1323

■ 21.8234, 27.3524,
8.1323

■ 21.1294, 27.0334,
6.3900

■ 22.6378, 27.7224,
10.4617

■ 20.5439, 26.7577,
5.1807

■ 23.5795, 28.1433,
13.4227

■ 20.0557, 26.5218,
4.4430

■ 24.6570, 28.6195,
17.0575

■ 19.6848, 26.3391,
4.0464

■ 25.8777, 29.1538,
21.4042

■ 27.2483, 29.7491,
26.4980

■ 28.7751, 30.4077,
32.3717

■ 30.4640, 31.1322,
39.0563

■ 32.3205, 31.9247,
46.5811

■ 34.3501, 32.7873,
54.9738

Harmonies

Analogous

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



27.6838, 27.3524, 7.2703



21.8234, 27.3524, 8.1323



17.7574, 27.3524, 13.4203

Triad

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



21.8234, 27.3524, 8.1323



19.3764, 27.3524, 65.1774



39.5400, 27.3524, 34.7650

Complementary

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



21.8234, 27.3524, 8.1323



9.6915, 6.6065, 29.6201

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.



36.4590, 27.3524, 55.8733



21.8234, 27.3524, 8.1323



24.3814, 27.3524, 77.4252

Square

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



21.8234, 27.3524, 8.1323



16.5074, 27.3524, 44.3188



30.6728, 27.3524, 73.4768



38.5668, 27.3524, 18.8323

Rectangle

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



21.8234, 27.3524, 8.1323



16.3032, 27.3524, 20.4874



30.6728, 27.3524, 73.4768



38.9289, 27.3524, 41.5330

Sweetspot

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



21.8240, 27.3536, 8.1329



46.3580, 51.7486, 40.3078



15.6468, 11.3992, 5.3789



10.1363, 11.4084, 8.4293



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.



21.8240, 27.3536, 8.1329



36.8382, 47.4956, 10.2877



15.9070, 24.3033, 7.8560



6.1796, 6.7004, 6.2081



16.3467, 21.8549, 3.3569



0.2190, 0.2772, 0.0420

Inverse Universe

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



9.6915, 6.6065, 29.6201



13.5612, 7.5867, 51.6709



14.4631, 9.0663, 29.8435



5.5768, 5.6728, 7.2708



4.8742, 1.9853, 24.0573



0.0753, 0.0324, 0.2952

Previews

White Background



This preview shows how the XYZ color 21.8234, 27.3524, 8.1323 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 21.8234, 27.3524, 8.1323 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 21.8234, 27.3524, 8.1323

Background



This preview shows how black text looks on a background with the XYZ color 21.8234, 27.3524, 8.1323.



This preview shows how white text looks on a background with the XYZ color 21.8234, 27.3524,

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

21.8234, 27.3524, 8.1323

Protanopia

24.8343, 27.3014, 7.7022

Deuteranopia

27.8051, 27.3032, 8.3620



Tritanopia

27.0464, 27.4277, 33.5743

Trichromacy



Original Color

21.8234, 27.3524, 8.1323

Protanomaly

23.7799, 27.4325, 7.9126

Deuteranomaly

25.2675, 27.0681, 8.3078

Tritanomaly

24.3986, 27.0053, 21.0661

Monochromacy



Original Color

21.8234, 27.3524, 8.1323

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.0236, 24.9686, 17.5686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8234, 27.3524, 8.1323 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(136, 150, 58)` looks like.

```
.text, #text, p{  
    color:rgb(136, 150, 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(136, 150, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 150, 58) }
```

Border

The CSS property to change the border of an element to XYZ 21.8234, 27.3524, 8.1323 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(136, 150, 58) }
```


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

```
.border{ border-color:rgb(136, 150, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 150, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 150, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 150, 58);  
box-shadow:4px 4px 4px 4px rgb(136, 150,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8234, 27.3524, 8.1323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 150, 58) }
```

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

```
.background{ background-color: rgb(136,  
150, 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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