

Converting Colors

XYZ(21.4562, 23.8420, 16.5678)

Have a look what the booklet for
XYZ(21.4562, 23.8420, 16.5678)
contains.

XYZ(21.4562, 23.8420, 16.5678)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.4562, 23.8420,
16.5678)**

Conversions

Conversions Part 1

Format	Color
Hex	888868
RGB	136, 136, 104
RGB Percent	53%, 53%, 41%
CMY	0.4667, 0.4667, 0.5922
CMYK	0.00, 0.00, 0.24, 0.47
HSL	60°, 13%, 47%
HSV	60°, 24%, 53%
XYZ	21.4562, 23.8420, 16.5678
YIQ	132.3520, 10.2720, -9.9520

Conversions

Conversions Part 2

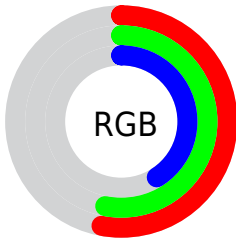
Format	Color
RYB	104, 136, 104
Decimal	8947816
CIELab	55.93, -5.60, 17.24
CIELCh	56, 18.127, 107.979
Yxy	23.8420, 0.3468, 0.3854
Android (android.graphics.Color)	4287137896 (0xFF888868)
YUV	132.3520, -13.9775, 3.1993
Hunter-Lab	48.8283, -7.0127, 14.0622

Details

The XYZ color **21.4562, 23.8420, 16.5678** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.1040, 14.6218, 25.3201**, and the grayscale version is **22.1061, 23.2573, 25.3272**.

A 20% lighter version of the original color is **45.3492, 49.7089, 38.2150**, and **7.9041, 8.9294, 5.1779** is the 20% darker color. If you saturate the color by 10%, you get **20.8204, 23.5885, 13.2182**, and if you desaturate by 10%, it is **22.2046, 24.1422, 20.5053**.

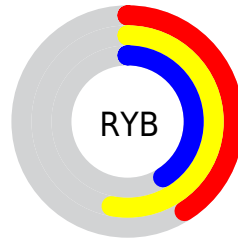
Distribution



Red (53%)

Green (53%)

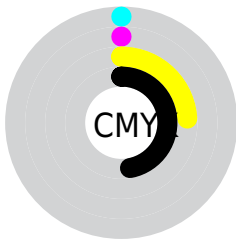
Blue (41%)



Red (41%)

Yellow (53%)

Blue (41%)

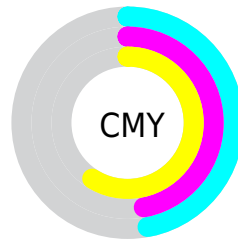


Cyan (0%)

Magenta (0%)

Yellow (24%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4562, 23.8420, 16.5678 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 21.4562, 23.8420, 16.5678 by changing the saturation by 10% instead.

■ 21.4562, 23.8420,
16.5678

■ 21.4562, 23.8420,
16.5678

252.3792,
272.0207, 244.6283

■ 13.5722, 15.2165,
9.7681

■ 45.3311, 49.7722,
38.3616

■ 7.9035, 8.9714,
5.1419

■ 62.0528, 67.8457,
54.1928

■ 4.0845, 4.7226,
2.2706

■ 82.4511, 89.8373,
73.8716

■ 1.7501, 2.0854,
0.7147

■ 106.8914,
116.1314, 97.8165

■ 0.4873, 0.6564,
0.0000

135.7389,
147.1124, 126.4461

■ 0.0000, 0.0000,
0.0000

169.3592,

183.1647, 160.1789

208.1175,
224.6727, 199.4335

■ 21.4562, 23.8420,
16.5678

■ 21.4562, 23.8420,
16.5678

■ 20.8204, 23.5885,
13.2182

■ 22.2046, 24.1422,
20.5053

■ 20.2902, 23.3764,
10.4270

■ 23.0689, 24.4879,
25.0553

■ 19.8603, 23.2044,
8.1642


■ 24.0543, 24.8821,
30.2431


■ 19.5244, 23.0700,
6.3965


■ 25.1651, 25.3265,
36.0919


■ 19.2755, 22.9704,
5.0868


■ 26.4057, 25.8227,
42.6238


 19.1056, 22.9024,
4.1930


 27.7801, 26.3725,
49.8598

 19.0049, 22.8621,
3.6638

 29.2919, 26.9773,
57.8201

 18.9565, 22.8428,
3.4100

 30.9450, 27.6385,
66.5242

 32.7429, 28.3577,
75.9906

Harmonies

Analogous

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



23.4990, 23.8420, 16.3418



21.4562, 23.8420, 16.5678



19.8346, 23.8420, 19.0610

Triad

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



21.4562, 23.8420, 16.5678



20.1031, 23.8420, 35.3683



26.7753, 23.8420, 28.4036

Complementary

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



21.4562, 23.8420, 16.5678



15.1040, 14.6218, 25.3201

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.



25.7441, 23.8420, 34.3500



21.4562, 23.8420, 16.5678



21.8433, 23.8420, 38.7615

Square

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



21.4562, 23.8420, 16.5678



19.0867, 23.8420, 29.6346



23.9103, 23.8420, 38.3628



26.6560, 23.8420, 22.6022

Rectangle

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



21.4562, 23.8420, 16.5678



19.1724, 23.8420, 21.9213



23.9103, 23.8420, 38.3628



26.5493, 23.8420, 30.4663

Sweetspot

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



21.4568, 23.8431, 16.5683



40.0763, 42.9223, 41.1213



17.6031, 16.1349, 15.2836



9.2642, 9.9335, 9.4337



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



21.4568, 23.8431, 16.5683



37.2179, 41.7789, 26.0734



19.0494, 22.6020, 16.4556



5.4310, 5.8449, 5.3943



17.9408, 21.6188, 3.2273



0.1192, 0.1436, 0.0214

Inverse Universe

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



15.1040, 14.6218, 25.3201



24.0862, 22.7180, 44.1639



17.1407, 15.6718, 25.4154



4.7747, 4.8923, 6.2985



4.2062, 1.6825, 22.1487



0.0279, 0.0112, 0.1471

Previews

White Background



This preview shows how the XYZ color 21.4562, 23.8420, 16.5678 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 21.4562, 23.8420, 16.5678 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

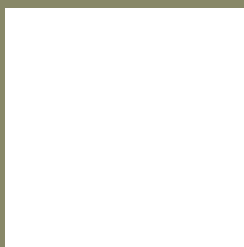
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4562, 23.8420, 16.5678

Background



This preview shows how black text looks on a background with the XYZ color 21.4562, 23.8420, 16.5678.



This preview shows how white text looks on a background with the XYZ color 21.4562, 23.8420,

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

21.4562, 23.8420, 16.5678

Protanopia

22.3010, 23.8691, 16.2638

Deuteranopia

24.3564, 23.9092, 16.9669



Tritanopia

23.9085, 23.8184, 28.5366

Trichromacy



Original Color

21.4562, 23.8420, 16.5678

Protanomaly

21.9274, 23.8827, 16.2861

Deuteranomaly

23.1955, 23.9120, 16.7575

Tritanomaly

22.9313, 23.8225, 23.8117

Monochromacy



Original Color

21.4562, 23.8420, 16.5678

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5732, 23.1667, 21.7470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4562, 23.8420, 16.5678 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, 136, 104)` looks like.

```
.text, #text, p{  
    color:rgb(136, 136, 104)  
}
```

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, 136, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 136, 104) }
```

Border

The CSS property to change the border of an element to XYZ 21.4562, 23.8420, 16.5678 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, 136, 104) }
```


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

```
.border{ border-color:rgb(136, 136, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 136, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 136, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 136, 104);  
box-shadow:4px 4px 4px 4px rgb(136, 136,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4562, 23.8420, 16.5678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 136, 104) }
```

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

```
.background{ background-color: rgb(136,  
136, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor