

Converting Colors

XYZ(20.9057, 28.8333, 21.7124)

Have a look what the booklet for
XYZ(20.9057, 28.8333, 21.7124)
contains.

XYZ(20.8137, 28.7569, 21.5932)	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(20.8137, 28.7569,
21.5932)**

Conversions

Conversions Part 1

Format	Color
Hex	639F76
RGB	99, 159, 118
RGB Percent	39%, 62%, 46%
CMY	0.6118, 0.3765, 0.5372
CMYK	0.38, 0.00, 0.26, 0.38
HSL	139°, 24%, 51%
HSV	139°, 38%, 62%
XYZ	20.8137, 28.7569, 21.5932
YIQ	136.3860, -22.5990, -25.4710

Conversions

Conversions Part 2

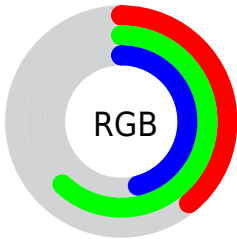
Format	Color
R_{YB}	99, 145, 159
Decimal	6528886
CIE _{Lab}	60.57, -28.65, 15.38
CIE _{LCh}	61, 32.520, 151.775
Yxy	28.7569, 0.2925, 0.4041
Android (android.graphics.Color)	4284718966 (0xFF639F76)
YUV	136.3860, -9.0643, -32.7875
Hunter-Lab	53.6255, -24.5632, 13.6637

Details

The XYZ color **20.8137, 28.7569, 21.5932** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.4944, 18.1886, 27.0843**, and the grayscale version is **23.5861, 24.8145, 27.0229**.

A 20% lighter version of the original color is **44.2512, 57.6708, 46.8295**, and **7.5508, 11.5734, 7.4662** is the 20% darker color. If you saturate the color by 10%, you get **18.6359, 27.7053, 18.3130**, and if you desaturate by 10%, it is **23.4095, 30.0169, 25.2825**.

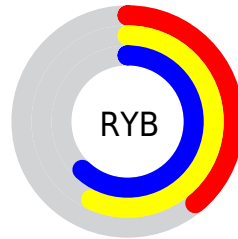
Distribution



Red (39%)

Green (62%)

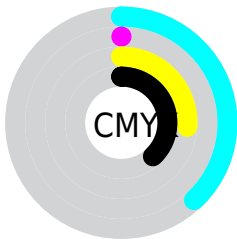
Blue (46%)



Red (39%)

Yellow (57%)

Blue (62%)

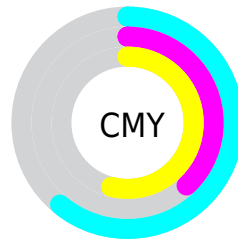


Cyan (38%)

Magenta (0%)

Yellow (26%)

Black (38%)



Cyan (61%)

Magenta (38%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8137, 28.7569, 21.5932 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 20.8137, 28.7569, 21.5932 by changing the saturation by 10% instead.

■ 20.8137, 28.7569,
21.5932

■ 20.8137, 28.7569,
21.5932

249.0372,
296.0662, 273.2983

■ 13.0996, 18.8970,
13.3628

■ 44.2709, 57.6906,
46.9663

■ 7.5746, 11.5959,
7.5452

■ 60.7447, 77.5332,
64.9460

■ 3.8735, 6.4691,
3.7218

■ 80.8690, 101.4722,
87.0127

■ 1.6308, 3.1324,
1.4740

■ 105.0094,
129.8919, 113.5848

■ 0.4124, 1.2012,
0.1984

133.5310,
163.1768, 145.0809

■ 0.0000, 0.0627,
0.0000

166.7993,

■ 0.0000, 0.0000,

201.7112, 181.9194

0.0000

205.1796,
245.8795, 224.5191

■ 20.8137, 28.7569,
21.5932

■ 20.8137, 28.7569,
21.5932

■ 18.6359, 27.7053,
18.3130

■ 23.4095, 30.0169,
25.2825

■ 16.8510, 26.8473,
15.4258

■ 26.4419, 31.4924,
29.3924

■ 15.4349, 26.1713,
12.9172


■ 29.9311, 33.1942,
33.9365

■ 14.3598, 25.6634,
10.7712


■ 33.8955, 35.1315,
38.9270


■ 13.5933, 25.3074,
8.9706


■ 38.3522, 37.3130,
44.3757


 13.0820, 25.0759,
7.4960

 43.3177, 39.7470,
50.2939

 12.9820, 25.0307,
7.2046

 48.8075, 42.4412,
56.6927

 54.8367, 45.4031,
63.5825

 61.4196, 48.6399,
70.9738

Harmonies

Analogous

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



23.2948, 28.7569, 15.4718



20.8137, 28.7569, 21.5932



20.0260, 28.7569, 32.0336

Triad

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



20.8137, 28.7569, 21.5932



27.5836, 28.7569, 60.6023



34.7928, 28.7569, 20.6386

Complementary

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



20.8137, 28.7569, 21.5932



23.4944, 18.1886, 27.0843

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.



36.2300, 28.7569, 30.6001



20.8137, 28.7569, 21.5932



31.8118, 28.7569, 55.3903

Square

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



20.8137, 28.7569, 21.5932



23.6867, 28.7569, 56.4453



35.0876, 28.7569, 43.5795



31.3346, 28.7569, 15.0281

Rectangle

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



20.8137, 28.7569, 21.5932



20.4950, 28.7569, 40.7037



35.0876, 28.7569, 43.5795



35.5434, 28.7569, 23.4879

Sweetspot

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



20.8145, 28.7581, 21.5938



51.3369, 58.3399, 57.8592



25.6358, 31.3612, 16.5067



11.3937, 13.0648, 12.8104



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.



20.8145, 28.7581, 21.5938



34.0524, 49.9430, 33.8460



22.8110, 29.5567, 32.1076



6.6330, 7.4339, 7.5019



10.2704, 19.7761, 5.7807



0.2016, 0.3608, 0.1981

Inverse Universe

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



23.4944, 18.1886, 27.0843



39.5266, 28.3248, 45.0399



21.6299, 17.4428, 17.2661



6.8147, 6.7188, 7.8752



13.4779, 6.6957, 12.0336



0.2592, 0.1270, 0.3112

Previews

White Background



This preview shows how the XYZ color 20.8137, 28.7569, 21.5932 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 20.8137, 28.7569, 21.5932 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 20.8137, 28.7569, 21.5932

Background



This preview shows how black text looks on a background with the XYZ color 20.8137, 28.7569, 21.5932.



This preview shows how white text looks on a background with the XYZ color 20.8137, 28.7569,

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

20.8137, 28.7569, 21.5932

Protanopia

26.5676, 28.3892, 19.4086

Deuteranopia

29.0394, 28.4861, 22.3802



Tritanopia

24.4894, 28.7503, 39.8559

Trichromacy



Original Color

20.8137, 28.7569, 21.5932

Protanomaly

23.9353, 28.1785, 20.0971

Deuteranomaly

25.2126, 28.0876, 22.1818

Tritanomaly

22.8923, 28.5841, 32.3277

Monochromacy



Original Color

20.8137, 28.7569, 21.5932

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.1041, 25.7425, 24.5727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8137, 28.7569, 21.5932 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(99, 159, 118)` looks like.

```
.text, #text, p{  
    color:rgb(99, 159, 118)  
}
```

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(99, 159, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 159, 118) }
```

Border

The CSS property to change the border of an element to XYZ 20.8137, 28.7569, 21.5932 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(99, 159, 118) }
```


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

```
.border{ border-color:rgb(99, 159, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 159, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 159, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 159, 118);  
box-shadow:4px 4px 4px 4px rgb(99, 159,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8137, 28.7569, 21.5932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 159, 118) }
```

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

```
.background{ background-color: rgb(99, 159,  
118) }
```

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