

Converting Colors

XYZ(20.2838, 23.3958, 23.6967)

Have a look what the booklet for
XYZ(20.2838, 23.3958, 23.6967)
contains.

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Color

**XYZ(20.4560, 23.5870,
23.8967)**

Conversions

Conversions Part 1

Format	Color
Hex	768A80
RGB	118, 138, 128
RGB Percent	46%, 54%, 50%
CMY	0.5372, 0.4588, 0.4980
CMYK	0.14, 0.00, 0.07, 0.46
HSL	150°, 8%, 50%
HSV	150°, 14%, 54%
XYZ	20.4560, 23.5870, 23.8967
YIQ	130.8800, -8.7100, -7.3500

Conversions

Conversions Part 2

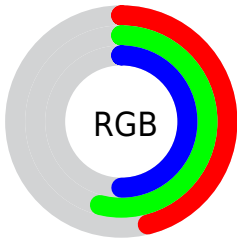
Format	Color
RYB	118, 131, 138
Decimal	7768704
CIELab	55.67, -9.29, 2.93
CIELCh	56, 9.744, 162.483
Yxy	23.5870, 0.3011, 0.3472
Android (android.graphics.Color)	4285958784 (0xFF768A80)
YUV	130.8800, -1.4198, -11.2958
Hunter-Lab	48.5664, -9.8078, 4.8234

Details

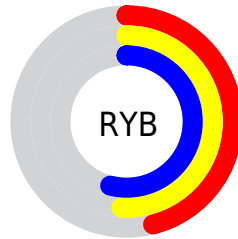
The XYZ color **20.4560, 23.5870, 23.8967** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.8568, 19.9193, 23.1687**, and the grayscale version is **21.5382, 22.6599, 24.6766**.

A 20% lighter version of the original color is **43.5489, 49.1438, 50.9065**, and **7.3552, 8.8092, 8.7098** is the 20% darker color. If you saturate the color by 10%, you get **18.2785, 22.5158, 21.5040**, and if you desaturate by 10%, it is **22.9399, 24.8139, 26.4660**.

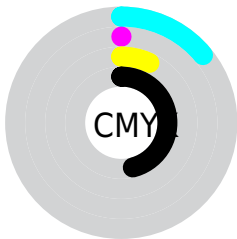
Distribution



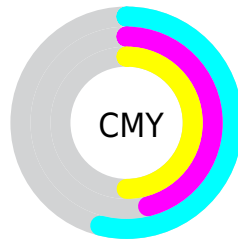
- Red (46%)
- Green (54%)
- Blue (50%)



- Red (46%)
- Yellow (51%)
- Blue (54%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (46%)



- Cyan (54%)
- Magenta (46%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4560, 23.5870, 23.8967 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 20.4560, 23.5870, 23.8967 by changing the saturation by 10% instead.

■ 20.4560, 23.5870,
23.8967

■ 20.4560, 23.5870,
23.8967

247.1599,
270.7258, 285.5675

■ 12.8371, 15.0275,
15.0455

■ 43.6785, 49.3554,
50.8033

■ 7.3927, 8.8387,
8.7044

■ 60.0129, 67.3331,
69.6958

■ 3.7574, 4.6361,
4.4547

■ 79.9831, 89.2191,
92.7725

■ 1.5658, 2.0354,
1.8780

103.9546,
115.3976, 120.4519

■ 0.3700, 0.6279,
0.4786

132.2927,
146.2532, 153.1525

■ 0.0000, 0.0000,
0.0000

165.3627,

182.1701, 191.2930

203.5300,
223.5329, 235.2918

■ 20.4560, 23.5870,
23.8967

■ 20.4560, 23.5870,
23.8967

■ 18.2785, 22.5158,
21.5040

■ 22.9399, 24.8139,
26.4660

■ 16.3931, 21.5911,
19.2827

■ 25.7400, 26.1995,
29.2140

■ 14.7869, 20.8068,
17.2292

■ 28.8681, 27.7504,
32.1448

■ 13.4456, 20.1558,
15.3396

■ 32.3346, 29.4721,
35.2617

■ 12.3534, 19.6299,
13.6095

■ 36.1497, 31.3696,
38.5681

■ 11.4927, 19.2202,
12.0347

■ 40.3231, 33.4479,
42.0672

■ 10.8434, 18.9163,
10.6102

■ 44.8638, 35.7117,
45.7623

■ 10.3798, 18.7052,
9.3310

■ 49.7810, 38.1655,
49.6563

■ 10.1629, 18.6074,
8.6853

■ 55.0831, 40.8136,
53.7522

Harmonies

Analogous

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



21.0163, 23.5870, 21.4573



20.4560, 23.5870, 23.8967



20.4107, 23.5870, 27.0180

Triad

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



20.4560, 23.5870, 23.8967



22.8804, 23.5870, 32.0824



24.0198, 23.5870, 21.7937

Complementary

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



20.4560, 23.5870, 23.8967



20.8568, 19.9193, 23.1687

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.



24.5544, 23.5870, 24.3913



20.4560, 23.5870, 23.8967



23.8822, 23.5870, 30.4283

Square

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



20.4560, 23.5870, 23.8967



21.7863, 23.5870, 31.9225



24.5032, 23.5870, 27.5546



23.0633, 23.5870, 20.3133

Rectangle

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



20.4560, 23.5870, 23.8967



20.6765, 23.5870, 29.0852



24.5032, 23.5870, 27.5546



24.2562, 23.5870, 22.5557

Sweetspot

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



20.4567, 23.5880, 23.8972



40.6241, 43.8309, 46.8403



21.3116, 24.1011, 20.6687



9.0413, 9.7962, 10.4351



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.



20.4567, 23.5880, 23.8972



34.9010, 41.0065, 40.8792



21.1239, 23.8549, 27.4106



5.0693, 5.6472, 5.8859



9.3249, 17.0625, 8.0016



0.0693, 0.1163, 0.0920

Inverse Universe

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



20.8568, 19.9193, 23.1687



35.7297, 33.4089, 39.3705



20.2503, 19.6767, 19.9747



5.1303, 5.0876, 5.7748



10.6023, 5.3510, 5.6759



0.0778, 0.0385, 0.0766

Previews

White Background



This preview shows how the XYZ color 20.4560, 23.5870, 23.8967 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 20.4560, 23.5870, 23.8967 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

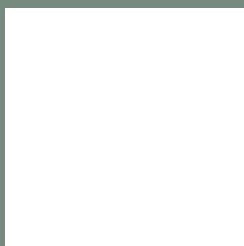
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4560, 23.5870, 23.8967

Background



This preview shows how black text looks on a background with the XYZ color 20.4560, 23.5870, 23.8967.



This preview shows how white text looks on a background with the XYZ color 20.4560, 23.5870,

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

20.4560, 23.5870, 23.8967

Protanopia

22.4057, 23.5741, 22.7714

Deuteranopia

23.9121, 23.5153, 24.3977



Tritanopia

21.7374, 23.4682, 30.5783

Trichromacy



Original Color

20.4560, 23.5870, 23.8967

Protanomaly

21.6358, 23.5801, 23.1498

Deuteranomaly

22.3671, 23.3217, 24.0916

Tritanomaly

21.2101, 23.4655, 27.8375

Monochromacy



Original Color

20.4560, 23.5870, 23.8967

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.1585, 23.0975, 24.4622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4560, 23.5870, 23.8967 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(118, 138, 128)` looks like.

```
.text, #text, p{  
    color:rgb(118, 138, 128)  
}
```

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(118, 138, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 138, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.4560, 23.5870, 23.8967 is called "border". The border property can be set on classes, ids or directly on the HTML element.

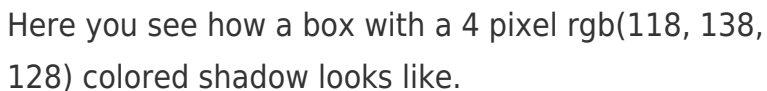
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 138, 128) }
```


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

```
.border{ border-color:rgb(118, 138, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 138, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 138, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 138, 128);  
box-shadow:4px 4px 4px 4px rgb(118, 138,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4560, 23.5870, 23.8967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 138, 128) }
```

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

```
.background{ background-color: rgb(118,  
138, 128) }
```

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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