

Converting Colors

XYZ(20.9295, 23.1400, 17.3348)

Have a look what the booklet for
XYZ(20.9295, 23.1400, 17.3348)
contains.

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Color

**XYZ(20.8518, 23.0983,
17.2693)**

Conversions

Conversions Part 1

Format	Color
Hex	85866B
RGB	133, 134, 107
RGB Percent	52%, 53%, 42%
CMY	0.4784, 0.4745, 0.5804
CMYK	0.01, 0.00, 0.20, 0.47
HSL	62°, 11%, 47%
HSV	62°, 20%, 53%
XYZ	20.8518, 23.0983, 17.2693
YIQ	130.6230, 8.0710, -8.6090

Conversions

Conversions Part 2

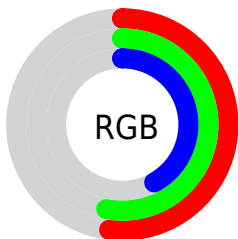
Format	Color
R_{YB}	107, 134, 108
Decimal	8750699
CIE _{Lab}	55.17, -5.22, 14.45
CIE _{LCh}	55, 15.368, 109.871
Yxy	23.0983, 0.3406, 0.3773
Android (android.graphics.Color)	4286940779 (0xFF85866B)
YUV	130.6230, -11.6461, 2.0846
Hunter-Lab	48.0607, -6.6615, 12.3382

Details

The XYZ color **20.8518, 23.0983, 17.2693** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.7460, 15.4254, 24.7031**, and the grayscale version is **21.4777, 22.5962, 24.6072**.

A 20% lighter version of the original color is **44.1916, 48.4484, 39.3701**, and **7.5532, 8.5059, 5.5187** is the 20% darker color. If you saturate the color by 10%, you get **20.1226, 22.7983, 13.8359**, and if you desaturate by 10%, it is **21.6919, 23.4442, 21.2792**.

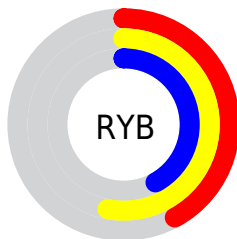
Distribution



Red (52%)

Green (53%)

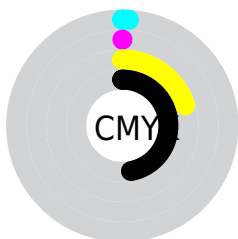
Blue (42%)



Red (42%)

Yellow (53%)

Blue (42%)

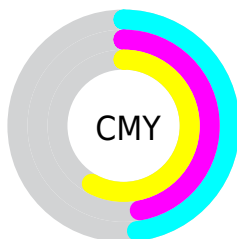


Cyan (1%)

Magenta (0%)

Yellow (20%)

Black (47%)



Cyan (48%)

Magenta (47%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8518, 23.0983, 17.2693 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 20.8518, 23.0983, 17.2693 by changing the saturation by 10% instead.

■ 20.8518, 23.0983,
17.2693

■ 20.8518, 23.0983,
17.2693

249.2365,
268.2295, 248.8158

■ 13.1276, 14.6661,
10.2627

■ 44.3339, 48.5547,
39.5852

■ 7.5940, 8.5854,
5.4656

■ 60.8225, 66.3477,
55.7316

■ 3.8859, 4.4718,
2.4595

■ 80.9632, 88.0297,
75.7616

■ 1.6378, 1.9408,
0.8186

■ 105.1214,
113.9852, 100.0939

■ 0.4169, 0.5727,
0.0000

133.6625,
144.5985, 129.1469

■ 0.0000, 0.0000,
0.0000

166.9518,

180.2541, 163.3392

205.3547,
221.3363, 203.0893

■ 20.8518, 23.0983,
17.2693

■ 20.8518, 23.0983,
17.2693

■ 20.1226, 22.7983,
13.8359

■ 21.6919, 23.4442,
21.2792

■ 19.4974, 22.5392,
10.9512

■ 22.6458, 23.8349,
25.8889

■ 18.9714, 22.3199,
8.5871

■ 23.7184, 24.2732,
31.1221

■ 18.5388, 22.1379,
6.7125

■ 24.9140, 24.7606,
37.0009

■ 18.1930, 21.9907,
5.2932

■ 26.2365, 25.2989,
43.5462

■ 17.9267, 21.8753,
4.2903

■ 27.6898, 25.8896,
50.7781

■ 17.7312, 21.7883,
3.6586

■ 29.2775, 26.5340,
58.7158

■ 17.5826, 21.7202,
3.2657

■ 31.0031, 27.2337,
67.3776

■ 32.8700, 27.9898,
76.7813

Harmonies

Analogous

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



22.5396, 23.0983, 16.9481



20.8518, 23.0983, 17.2693



19.5270, 23.0983, 19.5385

Triad

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



20.8518, 23.0983, 17.2693



19.8957, 23.0983, 33.0885



25.3649, 23.0983, 26.8488

Complementary

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



20.8518, 23.0983, 17.2693



15.7460, 15.4254, 24.7031

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.



24.5747, 23.0983, 31.7449



20.8518, 23.0983, 17.2693



21.3791, 23.0983, 35.6456

Square

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



20.8518, 23.0983, 17.2693



18.9953, 23.0983, 28.5005



23.0949, 23.0983, 35.1242



25.2056, 23.0983, 22.0732

Rectangle

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



20.8518, 23.0983, 17.2693



18.9999, 23.0983, 22.0365



23.0949, 23.0983, 35.1242



25.2000, 23.0983, 28.5440

Sweetspot

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



20.8524, 23.0993, 17.2698



38.8674, 41.5707, 40.6239



17.8381, 16.8345, 16.2194



8.7369, 9.3575, 9.0579



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.8524, 23.0993, 17.2698



36.1516, 40.4549, 27.6556



18.8702, 22.0774, 17.1770



5.0231, 5.4145, 5.0097



16.4785, 20.3549, 3.0604



0.0584, 0.0712, 0.0107

Inverse Universe

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



15.7460, 15.4254, 24.7031



25.5287, 24.4901, 43.1200



17.5028, 16.3310, 24.7853



4.4493, 4.5522, 5.8449



4.0931, 1.6442, 21.2383



0.0152, 0.0062, 0.0736

Previews

White Background



This preview shows how the XYZ color 20.8518, 23.0983, 17.2693 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 20.8518, 23.0983, 17.2693 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

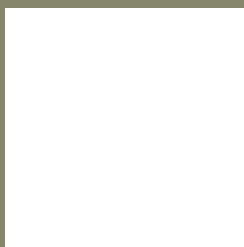
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8518, 23.0983, 17.2693

Background



This preview shows how black text looks on a background with the XYZ color 20.8518, 23.0983, 17.2693.



This preview shows how white text looks on a background with the XYZ color 20.8518, 23.0983,

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

20.8518, 23.0983, 17.2693

Protanopia

21.6680, 23.1186, 16.9560

Deuteranopia

23.4330, 23.0338, 17.3983



Tritanopia

23.0328, 23.1771, 28.0706

Trichromacy



Original Color

20.8518, 23.0983, 17.2693

Protanomaly

21.3056, 23.1340, 16.9781

Deuteranomaly

22.5435, 23.1590, 17.4693

Tritanomaly

22.1659, 23.0254, 23.6981

Monochromacy



Original Color

20.8518, 23.0983, 17.2693

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2798, 22.8132, 21.6942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8518, 23.0983, 17.2693 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(133, 134, 107)` looks like.

```
.text, #text, p{  
    color:rgb(133, 134, 107)  
}
```

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(133, 134, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 134, 107) }
```

Border

The CSS property to change the border of an element to XYZ 20.8518, 23.0983, 17.2693 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(133, 134, 107) }
```


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

```
.border{ border-color:rgb(133, 134, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 134, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 134, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 134, 107);  
box-shadow:4px 4px 4px 4px rgb(133, 134,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8518, 23.0983, 17.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 134, 107) }
```

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

```
.background{ background-color: rgb(133,  
134, 107) }
```

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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