

Converting Colors

XYZ(19.7960, 23.6339, 8.0670)

Have a look what the booklet for
XYZ(19.7960, 23.6339, 8.0670)
contains.

XYZ(19.7895, 23.5931, 8.0683)	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(19.7895, 23.5931,
8.0683)**

Conversions

Conversions Part 1

Format	Color
Hex	868A3E
RGB	134, 138, 62
RGB Percent	53%, 54%, 24%
CMY	0.4745, 0.4588, 0.7569
CMYK	0.03, 0.00, 0.55, 0.46
HSL	63°, 38%, 39%
HSV	63°, 55%, 54%
XYZ	19.7895, 23.5931, 8.0683
YIQ	128.1400, 22.0120, -24.4840

Conversions

Conversions Part 2

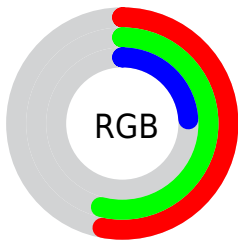
Format	Color
RYB	62, 138, 66
Decimal	8817214
CIELab	55.68, -12.61, 39.58
CIElCh	56, 41.538, 107.671
Yxy	23.5931, 0.3846, 0.4586
Android (android.graphics.Color)	4287007294 (0xFF868A3E)
YUV	128.1400, -32.6070, 5.1392
Hunter-Lab	48.5727, -12.2778, 24.1524

Details

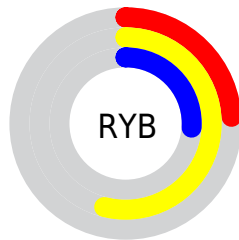
The XYZ color **19.7895, 23.5931, 8.0683** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.5576, 6.4390, 24.8380**, and the grayscale version is **20.6713, 21.7478, 23.6833**.

A 20% lighter version of the original color is **42.5417, 49.2503, 22.5933**, and **7.0298, 8.7974, 1.6442** is the 20% darker color. If you saturate the color by 10%, you get **19.3427, 23.4019, 6.3157**, and if you desaturate by 10%, it is **20.3344, 23.8254, 10.3285**.

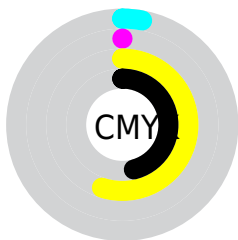
Distribution



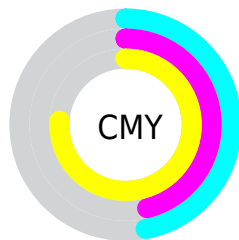
- Red (53%)
- Green (54%)
- Blue (24%)



- Red (24%)
- Yellow (54%)
- Blue (26%)



- Cyan (3%)
- Magenta (0%)
- Yellow (55%)
- Black (46%)



- Cyan (47%)
- Magenta (46%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7895, 23.5931, 8.0683 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 19.7895, 23.5931, 8.0683 by changing the saturation by 10% instead.

■ 19.7895, 23.5931,
8.0683

■ 19.7895, 23.5931,
8.0683

243.6286,
270.7568, 186.2213

■ 12.3495, 15.0321,
4.0503

■ 42.5706, 49.3654,
22.6406

■ 7.0561, 8.8419,
1.6530

■ 58.6425, 67.3454,
34.0320

■ 3.5438, 4.6382,
0.3282

■ 78.3223, 89.2339,
48.7182

■ 1.4474, 2.0366,
0.0000

■ 101.9754,
115.4152, 67.1179

■ 0.2897, 0.6286,
0.0000

■ 129.9673,
146.2738, 89.6495

■ 0.0000, 0.0000,
0.0000

■ 162.6632,

182.1940, 116.7315

200.4285,
223.5602, 148.7826

■ 19.7895, 23.5931,
8.0683

■ 19.7895, 23.5931,
8.0683

■ 19.3427, 23.4019,
6.3157

■ 20.3344, 23.8254,
10.3285

■ 18.9849, 23.2455,
5.0301

■ 20.9825, 24.0981,
13.1299

■ 18.7081, 23.1216,
4.1671

■ 21.7402, 24.4148,
16.5050

■ 18.5006, 23.0256,
3.6646

■ 22.6133, 24.7778,
20.4831

■ 18.4079, 22.9821,
3.4658

■ 23.6070, 25.1890,
25.0918

■ 24.7260, 25.6505,
30.3568

■ 25.9751, 26.1642,
36.3024

■ 27.3586, 26.7317,
42.9517

■ 28.8808, 27.3547,
50.3267

Harmonies

Analogous

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



24.4117, 23.5931, 7.7830



19.7895, 23.5931, 8.0683



16.3805, 23.5931, 11.8961

Triad

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



19.7895, 23.5931, 8.0683



16.8688, 23.5931, 49.9917



32.4720, 23.5931, 31.6262

Complementary

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



19.7895, 23.5931, 8.0683



8.5576, 6.4390, 24.8380

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.



29.7979, 23.5931, 47.3775



19.7895, 23.5931, 8.0683



20.5482, 23.5931, 60.2139

Square

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



19.7895, 23.5931, 8.0683



14.8635, 23.5931, 34.3815



25.2837, 23.5931, 59.1179



32.1935, 23.5931, 18.6008

Rectangle

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



19.7895, 23.5931, 8.0683



15.0554, 23.5931, 17.0509



25.2837, 23.5931, 59.1179



31.8747, 23.5931, 36.8402

Sweetspot

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



19.7901, 23.5942, 8.0688



39.4866, 43.5187, 34.4001



13.2881, 9.6248, 5.7151



8.7973, 9.7364, 7.4444



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.



19.7901, 23.5942, 8.0688



33.9318, 41.1776, 10.5309



14.8038, 21.0237, 7.8354



5.4055, 5.8318, 5.3931



16.8803, 21.0721, 3.1776



0.1158, 0.1419, 0.0213

Inverse Universe

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



8.5576, 6.4390, 24.8380



12.0461, 7.7286, 43.2400



11.9965, 8.2118, 24.9989



4.7975, 4.9040, 6.2996



4.2935, 1.7275, 22.1528



0.0313, 0.0129, 0.1473

Previews

White Background



This preview shows how the XYZ color 19.7895, 23.5931, 8.0683 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 19.7895, 23.5931, 8.0683 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 19.7895, 23.5931, 8.0683

Background



This preview shows how black text looks on a background with the XYZ color 19.7895, 23.5931, 8.0683.



This preview shows how white text looks on a background with the XYZ color 19.7895, 23.5931,

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

19.7895, 23.5931, 8.0683

Protanopia

21.4426, 23.4079, 7.8029

Deuteranopia

23.8533, 23.4529, 8.2707



Tritanopia

23.8716, 23.6095, 28.1099

Trichromacy



Original Color

19.7895, 23.5931, 8.0683

Protanomaly

20.8340, 23.5045, 7.8536

Deuteranomaly

22.1786, 23.3751, 8.1934

Tritanomaly

21.9596, 23.4339, 18.6950

Monochromacy



Original Color

19.7895, 23.5931, 8.0683

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.9559, 22.2478, 16.3392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7895, 23.5931, 8.0683 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(134, 138, 62)` looks like.

```
.text, #text, p{  
    color:rgb(134, 138, 62)  
}
```

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(134, 138, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 138, 62) }
```

Border

The CSS property to change the border of an element to XYZ 19.7895, 23.5931, 8.0683 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(134, 138, 62) }
```


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

```
.border{ border-color:rgb(134, 138, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 138, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 138, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 138, 62);  
box-shadow:4px 4px 4px 4px rgb(134, 138,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7895, 23.5931, 8.0683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 138, 62) }
```

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

```
.background{ background-color: rgb(134,  
138, 62) }
```

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