

Converting Colors

XYZ(20.3786, 23.1218, 13.2560)

Have a look what the booklet for
XYZ(20.3786, 23.1218, 13.2560)
contains.

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Color

**XYZ(20.3838, 23.1516,
13.2919)**

Conversions

Conversions Part 1

Format	Color
Hex	86875B
RGB	134, 135, 91
RGB Percent	53%, 53%, 36%
CMY	0.4745, 0.4706, 0.6431
CMYK	0.01, 0.00, 0.33, 0.47
HSL	61°, 19%, 44%
HSV	61°, 33%, 53%
XYZ	20.3838, 23.1516, 13.2919
YIQ	129.6850, 13.5280, -13.8960

Conversions

Conversions Part 2

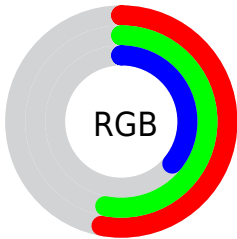
Format	Color
R_{YB}	91, 135, 92
Decimal	8816475
CIE _{Lab}	55.23, -7.73, 23.59
CIE _{LCh}	55, 24.828, 108.146
Yxy	23.1516, 0.3587, 0.4074
Android (android.graphics.Color)	4287006555 (0xFF86875B)
YUV	129.6850, -19.0717, 3.7843
Hunter-Lab	48.1161, -8.5839, 17.3026

Details

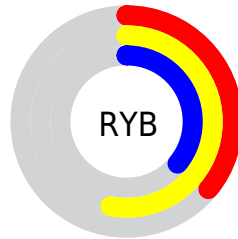
The XYZ color **20.3838, 23.1516, 13.2919** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.5288, 11.5074, 24.4838**, and the grayscale version is **21.1692, 22.2716, 24.2538**.

A 20% lighter version of the original color is **43.6047, 48.6108, 32.6758**, and **7.3593, 8.5637, 3.6479** is the 20% darker color. If you saturate the color by 10%, you get **19.8043, 22.9149, 10.4935**, and if you desaturate by 10%, it is **21.0694, 23.4323, 16.6432**.

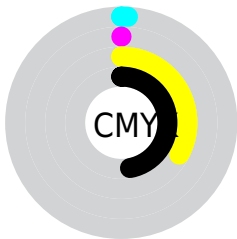
Distribution



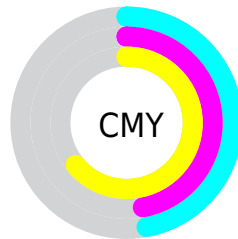
- Red (53%)
- Green (53%)
- Blue (36%)



- Red (36%)
- Yellow (53%)
- Blue (36%)



- Cyan (1%)
- Magenta (0%)
- Yellow (33%)
- Black (47%)



- Cyan (47%)
- Magenta (47%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3838, 23.1516, 13.2919 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 20.3838, 23.1516, 13.2919 by changing the saturation by 10% instead.

■ 20.3838, 23.1516,
13.2919

■ 20.3838, 23.1516,
13.2919

246.7795,
268.5027, 224.0532

■ 12.7842, 14.7055,
7.4968

■ 43.5588, 48.6421,
32.5260

■ 7.3561, 8.6130,
3.6916

■ 59.8649, 66.4553,
46.8021

■ 3.7341, 4.4896,
1.4577

■ 79.8039, 88.1597,
64.7423

■ 1.5528, 1.9510,
0.1861

■ 103.7411,
114.1396, 86.7651

■ 0.3614, 0.5788,
0.0000

132.0419,
144.7795, 113.2890

■ 0.0000, 0.0000,
0.0000

165.0717,

180.4637, 144.7327

203.1958,
221.5766, 181.5145

■ 20.3838, 23.1516,
13.2919

■ 20.3838, 23.1516,
13.2919

■ 19.8043, 22.9149,
10.4935

■ 21.0694, 23.4323,
16.6432

■ 19.3235, 22.7170,
8.2170

■ 21.8646, 23.7561,
20.5732

■ 18.9360, 22.5563,
6.4303

■ 22.7748, 24.1259,
25.1081

■ 18.6347, 22.4302,
5.0976

■ 23.8045, 24.5435,
30.2720

■ 18.4121, 22.3356,
4.1779

■ 24.9582, 25.0107,
36.0874

■ 18.2588, 22.2687,
3.6231

■ 26.2398, 25.5291,
42.5762

■ 18.1684, 22.2284,
3.3329

■ 27.6533, 26.1003,
49.7587

■ 29.2025, 26.7258,
57.6549

■ 30.8910, 27.4070,
66.2836

Harmonies

Analogous

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



23.1198, 23.1516, 13.0104



20.3838, 23.1516, 13.2919



18.2632, 23.1516, 16.3210

Triad

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



20.3838, 23.1516, 13.2919



18.6316, 23.1516, 38.3972



27.6540, 23.1516, 28.4811

Complementary

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



20.3838, 23.1516, 13.2919



12.5288, 11.5074, 24.4838

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.



26.2256, 23.1516, 36.8476



20.3838, 23.1516, 13.2919



20.9264, 23.1516, 43.3271

Square

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



20.3838, 23.1516, 13.2919



17.3117, 23.1516, 30.2759



23.7098, 23.1516, 42.7068



27.4777, 23.1516, 20.7400

Rectangle

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



20.3838, 23.1516, 13.2919



17.4126, 23.1516, 19.9345



23.7098, 23.1516, 42.7068



27.3410, 23.1516, 31.3385

Sweetspot

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



20.3844, 23.1526, 13.2924



39.5203, 42.6895, 38.6652



15.6849, 13.5150, 11.6798



9.1082, 9.8684, 8.7344



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.



20.3844, 23.1526, 13.2924



35.7282, 41.1425, 20.0592



17.2693, 21.5467, 13.1466



5.0295, 5.4178, 5.0100



16.7542, 20.4970, 3.0733



0.0589, 0.0714, 0.0107

Inverse Universe

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



12.5288, 11.5074, 24.4838



19.4174, 16.9614, 43.2988



15.0198, 12.7915, 24.6004



4.4436, 4.5492, 5.8446



4.0698, 1.6322, 21.2372



0.0147, 0.0060, 0.0736

Previews

White Background



This preview shows how the XYZ color 20.3838, 23.1516, 13.2919 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 20.3838, 23.1516, 13.2919 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

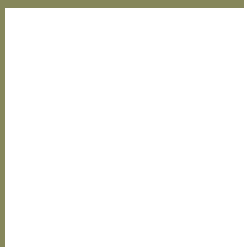
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3838, 23.1516, 13.2919

Background



This preview shows how black text looks on a background with the XYZ color 20.3838, 23.1516, 13.2919.



This preview shows how white text looks on a background with the XYZ color 20.3838, 23.1516,

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

20.3838, 23.1516, 13.2919

Protanopia

21.4244, 23.0804, 12.9986

Deuteranopia

23.4698, 23.1372, 13.5849



Tritanopia

23.3257, 23.1400, 27.6632

Trichromacy



Original Color

20.3838, 23.1516, 13.2919

Protanomaly

21.0482, 23.0887, 13.0201

Deuteranomaly

22.3088, 23.1275, 13.4135

Tritanomaly

22.1104, 23.0410, 21.6944

Monochromacy



Original Color

20.3838, 23.1516, 13.2919

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.7637, 22.5888, 19.7887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3838, 23.1516, 13.2919 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, 135, 91)` looks like.

```
.text, #text, p{  
    color:rgb(134, 135, 91)  
}
```

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, 135, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 135, 91) }
```

Border

The CSS property to change the border of an element to XYZ 20.3838, 23.1516, 13.2919 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, 135, 91) }
```


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

```
.border{ border-color:rgb(134, 135, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 135, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 135, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 135, 91);  
box-shadow:4px 4px 4px 4px rgb(134, 135,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3838, 23.1516, 13.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 135, 91) }
```

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

```
.background{ background-color: rgb(134,  
135, 91) }
```

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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