

Converting Colors

XYZ(20.1823, 23.0527, 13.0588)

Have a look what the booklet for
XYZ(20.1823, 23.0527, 13.0588)
contains.

XYZ(20.1823, 23.0527, 13.0588)	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(20.1823, 23.0527,
13.0588)**

Conversions

Conversions Part 1

Format	Color
Hex	85875A
RGB	133, 135, 90
RGB Percent	52%, 53%, 35%
CMY	0.4784, 0.4706, 0.6471
CMYK	0.01, 0.00, 0.33, 0.47
HSL	63°, 20%, 44%
HSV	63°, 33%, 53%
XYZ	20.1823, 23.0527, 13.0588
YIQ	129.2720, 13.2530, -14.4190

Conversions

Conversions Part 2

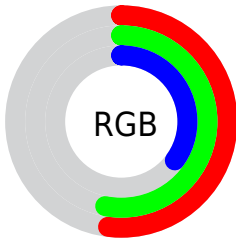
Format	Color
R_{YB}	90, 135, 92
Decimal	8750938
CIE _{Lab}	55.13, -8.28, 24.00
CIE _{LCh}	55, 25.391, 109.042
Yxy	23.0527, 0.3585, 0.4095
Android (android.graphics.Color)	4286941018 (0xFF85875A)
YUV	129.2720, -19.3611, 3.2695
Hunter-Lab	48.0132, -8.9909, 17.4834

Details

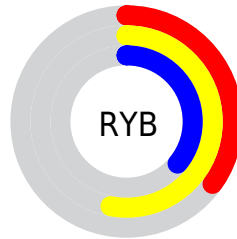
The XYZ color **20.1823, 23.0527, 13.0588** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **12.4439, 11.3376, 24.4555**, and the grayscale version is **21.0247, 22.1196, 24.0883**.

A 20% lighter version of the original color is **43.2845, 48.4543, 32.2706**, and **7.2518, 8.5104, 3.5460** is the 20% darker color. If you saturate the color by 10%, you get **19.5647, 22.7955, 10.2980**, and if you desaturate by 10%, it is **20.9060, 23.3540, 16.3704**.

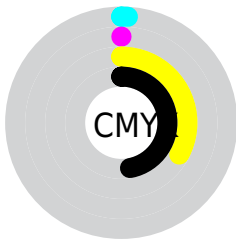
Distribution



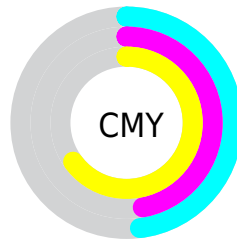
- Red (52%)
- Green (53%)
- Blue (35%)



- Red (35%)
- Yellow (53%)
- Blue (36%)



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



- Cyan (48%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1823, 23.0527, 13.0588 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 20.1823, 23.0527, 13.0588 by changing the saturation by 10% instead.

■ 20.1823, 23.0527,
13.0588

■ 20.1823, 23.0527,
13.0588

245.7151,
267.9956, 222.5152

■ 12.6367, 14.6324,
7.3378

■ 43.2242, 48.4798,
32.1021

■ 7.2541, 8.5618,
3.5926

■ 59.4512, 66.2555,
46.2616

■ 3.6693, 4.4565,
1.4046

■ 79.3027, 87.9184,
64.0709

■ 1.5168, 1.9321,
0.1453

■ 103.1441,
113.8530, 85.9487

■ 0.3372, 0.5675,
0.0000

■ 131.3406,
144.4436, 112.3135

■ 0.0000, 0.0000,
0.0000

164.2577,

180.0746, 143.5838

202.2608,
221.1305, 180.1782

■ 20.1823, 23.0527,
13.0588

■ 20.1823, 23.0527,
13.0588

■ 19.5647, 22.7955,
10.2980

■ 20.9060, 23.3540,
16.3704

■ 19.0458, 22.5771,
8.0568

■ 21.7393, 23.6984,
20.2588

■ 18.6200, 22.3960,
6.3029

■ 22.6876, 24.0888,
24.7503

■ 18.2805, 22.2494,
5.0002

■ 23.7556, 24.5272,
29.8690

■ 18.0192, 22.1342,
4.1072

■ 24.9476, 25.0152,
35.6377

■ 17.8269, 22.0467,
3.5743

■ 26.2677, 25.5546,
42.0781

■ 17.7166, 21.9955,
3.3118

■ 27.7198, 26.1468,
49.2109

■ 29.3077, 26.7934,
57.0558

■ 31.0350, 27.4958,
65.6320

Harmonies

Analogous

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



22.9621, 23.0527, 12.6943



20.1823, 23.0527, 13.0588



18.0514, 23.0527, 16.2047

Triad

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



20.1823, 23.0527, 13.0588



18.5326, 23.0527, 38.8118



27.7020, 23.0527, 28.1824

Complementary

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



20.1823, 23.0527, 13.0588



12.4439, 11.3376, 24.4555

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.



26.2846, 23.0527, 36.7704



20.1823, 23.0527, 13.0588



20.8923, 23.0527, 43.7297

Square

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



20.1823, 23.0527, 13.0588



17.1572, 23.0527, 30.5386



23.7355, 23.0527, 42.9112



27.4704, 23.0527, 20.3496

Rectangle

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



20.1823, 23.0527, 13.0588



17.2101, 23.0527, 19.9266



23.7355, 23.0527, 42.9112



27.3981, 23.0527, 31.1004

Sweetspot

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



20.1829, 23.0537, 13.0593



39.4343, 42.6452, 38.6611



15.6219, 13.4577, 11.4474



9.0859, 9.8569, 8.7333



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.



20.1829, 23.0537, 13.0593



35.2877, 40.9260, 19.5584



17.0659, 21.4469, 12.9134



5.0198, 5.4128, 5.0096



16.3390, 20.2830, 3.0539



0.0582, 0.0711, 0.0107

Inverse Universe

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



12.4439, 11.3376, 24.4555



19.2116, 16.5847, 43.2370



14.9695, 12.6396, 24.5737



4.4522, 4.5537, 5.8450



4.1051, 1.6504, 21.2389



0.0154, 0.0063, 0.0736

Previews

White Background



This preview shows how the XYZ color 20.1823, 23.0527, 13.0588 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 20.1823, 23.0527, 13.0588 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

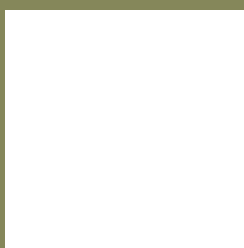
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1823, 23.0527, 13.0588

Background



This preview shows how black text looks on a background with the XYZ color 20.1823, 23.0527, 13.0588.



This preview shows how white text looks on a background with the XYZ color 20.1823, 23.0527,

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

20.1823, 23.0527, 13.0588

Protanopia

21.3821, 23.0634, 12.7759

Deuteranopia

23.2972, 22.8625, 13.3102



Tritanopia

23.1579, 23.0536, 27.6553

Trichromacy



Original Color

20.1823, 23.0527, 13.0588

Protanomaly

20.8382, 22.9853, 12.7895

Deuteranomaly

21.9513, 22.7517, 13.1321

Tritanomaly

21.8840, 22.9314, 21.3620

Monochromacy



Original Color

20.1823, 23.0527, 13.0588

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.4167, 22.2162, 19.4317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1823, 23.0527, 13.0588 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, 135, 90)` looks like.

```
.text, #text, p{  
    color:rgb(133, 135, 90)  
}
```

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, 135, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 135, 90) }
```

Border

The CSS property to change the border of an element to XYZ 20.1823, 23.0527, 13.0588 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, 135, 90) }
```


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

```
.border{ border-color:rgb(133, 135, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 135, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 135, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 135, 90);  
box-shadow:4px 4px 4px 4px rgb(133, 135,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1823, 23.0527, 13.0588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 135, 90) }
```

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

```
.background{ background-color: rgb(133,  
135, 90) }
```

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