

Converting Colors

XYZ(20.2923, 13.0819, 2.2661)

Have a look what the booklet for
XYZ(20.2923, 13.0819, 2.2661)
contains.

XYZ(20.2923, 13.0819, 2.2661)	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(20.2923, 13.0819,
2.2661)**

Conversions

Conversions Part 1

Format	Color
Hex	B23F17
RGB	178, 63, 23
RGB Percent	70%, 25%, 9%
CMY	0.3020, 0.7529, 0.9098
CMYK	0.00, 0.65, 0.87, 0.30
HSL	15°, 77%, 39%
HSV	15°, 87%, 70%
XYZ	20.2923, 13.0819, 2.2661
YIQ	92.8250, 81.3800, 11.9400

Conversions

Conversions Part 2

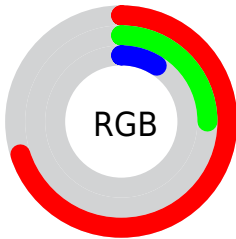
Format	Color
R_{YB}	178, 77, 23
Decimal	11681559
CIE _{Lab}	42.89, 45.02, 46.51
CIE _{LCh}	43, 64.731, 45.938
Yxy	13.0819, 0.5694, 0.3671
Android (android.graphics.Color)	4289871639 (0xFFB23F17)
YUV	92.8250, -34.4237, 74.6985
Hunter-Lab	36.1689, 36.8505, 21.6035

Details

The XYZ color **20.2923, 13.0819, 2.2661** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **17.4766, 21.5712, 45.3618**, and the grayscale version is **10.4287, 10.9718, 11.9483**.

A 20% lighter version of the original color is **43.3179, 31.4710, 9.7526**, and **7.3361, 3.7819, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **19.5206, 11.7406, 1.3867**, and if you desaturate by 10%, it is **21.3559, 14.8220, 3.8150**.

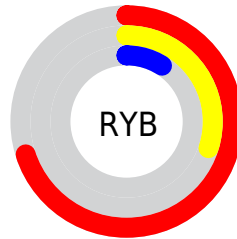
Distribution



Red (70%)

Green (25%)

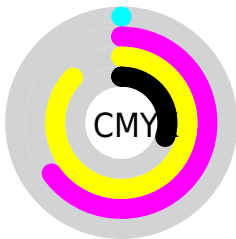
Blue (9%)



Red (70%)

Yellow (30%)

Blue (9%)

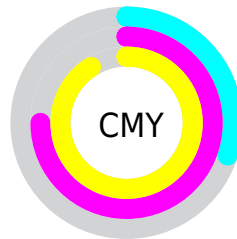


Cyan (0%)

Magenta (65%)

Yellow (87%)

Black (30%)



Cyan (30%)

Magenta (75%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2923, 13.0819, 2.2661 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 20.2923, 13.0819, 2.2661 by changing the saturation by 10% instead.

■ 20.2923, 13.0819,
2.2661

■ 20.2923, 13.0819,
2.2661

246.2967,
211.4419, 126.3808

■ 12.7172, 7.4850,
0.7121

■ 43.4069, 31.4508,
9.7563

■ 7.3097, 3.7672,
0.0000

■ 59.6771, 44.9916,
16.5510

■ 3.7046, 1.5442,
0.0000

■ 79.5764, 61.9492,
25.9367

■ 1.5364, 0.3195,
0.0000

■ 103.4702, 82.7079,
38.3321

■ 0.3504, 0.0000,
0.0000


■ 131.7237,
107.6521, 54.1557


■ 0.0000, 0.0000,
0.0000


■ 164.7024,


137.1662, 73.8260


 202.7716,
171.6347, 97.7615


 20.2923, 13.0819,
2.2661


 20.2923, 13.0819,
2.2661


 19.5206, 11.7406,
1.3867


 21.3559, 14.8220,
3.8150

 19.3348, 11.4145,
1.1842

 22.7464, 16.9912,
6.1643

 24.4914, 19.6183,
9.4065

 26.6152, 22.7283,
13.6211

 29.1396, 26.3447,
18.8785

■ 32.0848, 30.4891,
25.2428

■ 35.4695, 35.1820,
32.7727

■ 39.3114, 40.4428,
41.5229

■ 43.6269, 46.2898,
51.5445

Harmonies

Analogous

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



24.0077, 13.0819, 7.9961



20.2923, 13.0819, 2.2661



14.8915, 13.0819, 0.7796

Triad

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



20.2923, 13.0819, 2.2661



5.3007, 13.0819, 8.5968



15.2334, 13.0819, 59.7833

Complementary

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



20.2923, 13.0819, 2.2661



17.4766, 21.5712, 45.3618

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.



10.2628, 13.0819, 60.3860



20.2923, 13.0819, 2.2661



5.3465, 13.0819, 23.1113

Square

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



20.2923, 13.0819, 2.2661



6.7743, 13.0819, 2.4564



6.9222, 13.0819, 44.1604



20.5991, 13.0819, 42.8331

Rectangle

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



20.2923, 13.0819, 2.2661



11.4756, 13.0819, 0.6683



6.9222, 13.0819, 44.1604



13.4443, 13.0819, 62.1587

Sweetspot

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



20.2926, 13.0827, 2.2663



58.5460, 55.7956, 46.5713



23.3449, 11.9491, 25.5979



12.5428, 11.7628, 9.3816



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.2926, 13.0827, 2.2663



34.9053, 20.3849, 2.0950



27.7835, 28.0644, 4.7633



8.6688, 8.8501, 8.9039



13.8786, 8.2558, 0.8620



0.4848, 0.3560, 0.0432

Inverse Universe

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



17.4766, 21.5712, 45.3618



29.3546, 35.3931, 81.6656



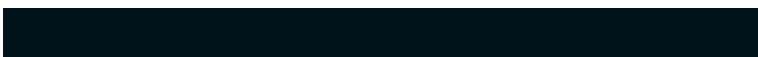
10.0983, 6.8146, 42.9023



8.5533, 9.2528, 10.8415



11.7118, 14.2240, 32.2652



0.4124, 0.5353, 1.0298

Previews

White Background



This preview shows how the XYZ color 20.2923, 13.0819, 2.2661 looks on a white 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

Black Background



This preview shows how the XYZ color 20.2923, 13.0819, 2.2661 looks on a black 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

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

XYZ 20.2923, 13.0819, 2.2661

Background



This preview shows how black text looks on a background with the XYZ color 20.2923, 13.0819, 2.2661.



This preview shows how white text looks on a background with the XYZ color 20.2923, 13.0819,

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

20.2923, 13.0819, 2.2661

Protanopia

11.9653, 13.1900, 3.3541

Deuteranopia

13.3280, 13.2165, 1.8486



Tritanopia

21.0239, 13.0594, 5.9701

Trichromacy



Original Color

20.2923, 13.0819, 2.2661

Protanomaly

14.0280, 12.3865, 2.8139

Deuteranomaly

15.3250, 12.7176, 1.8768

Tritanomaly

20.7398, 13.0288, 4.2180

Monochromacy



Original Color

20.2923, 13.0819, 2.2661

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.3729, 10.7370, 6.8892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2923, 13.0819, 2.2661 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(178, 63, 23)` looks like.

```
.text, #text, p{  
    color:rgb(178, 63, 23)  
}
```

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(178, 63, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 63, 23) }
```

Border

The CSS property to change the border of an element to XYZ 20.2923, 13.0819, 2.2661 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(178, 63, 23) }
```


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

```
.border{ border-color:rgb(178, 63, 23) }
```

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

Here you see how a box with a 4 pixel rgb(178, 63, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 63, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 63, 23);  
box-shadow:4px 4px 4px 4px rgb(178, 63,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2923, 13.0819, 2.2661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 63, 23) }
```

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

```
.background{ background-color: rgb(178, 63,  
23) }
```

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