

Converting Colors

XYZ(22.4682, 13.8244, 2.4049)

Have a look what the booklet for
XYZ(22.4682, 13.8244, 2.4049)
contains.

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Color

**XYZ(22.4276, 13.7877,
2.3989)**

Conversions

Conversions Part 1

Format	Color
Hex	BC3A19
RGB	188, 58, 25
RGB Percent	74%, 23%, 10%
CMY	0.2627, 0.7725, 0.9020
CMYK	0.00, 0.69, 0.87, 0.26
HSL	12°, 77%, 42%
HSV	12°, 87%, 74%
XYZ	22.4276, 13.7877, 2.3989
YIQ	93.1080, 88.0730, 17.2970

Conversions

Conversions Part 2

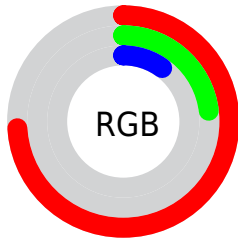
Format	Color
R_{YB}	188, 66, 25
Decimal	12335641
CIE Lab	43.93, 50.67, 47.25
CIE LCh	44, 69.282, 43.005
Yxy	13.7877, 0.5808, 0.3571
Android (android.graphics.Color)	4290525721 (0xFFBC3A19)
YUV	93.1080, -33.5772, 83.2203
Hunter-Lab	37.1318, 42.8334, 22.1618

Details

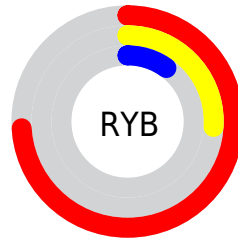
The XYZ color **22.4276, 13.7877, 2.3989** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **21.1978, 27.2772, 51.7244**, and the grayscale version is **10.4921, 11.0385, 12.0209**.

A 20% lighter version of the original color is **46.7804, 32.5786, 10.1260**, and **8.6042, 4.4356, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **21.6373, 12.4338, 1.4376**, and if you desaturate by 10%, it is **23.5725, 15.6370, 4.1391**.

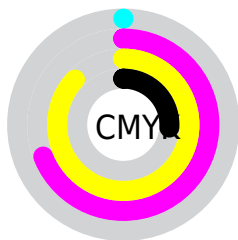
Distribution



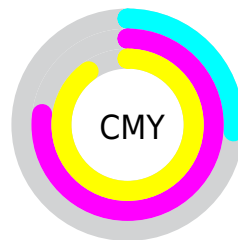
- Red (74%)
- Green (23%)
- Blue (10%)



- Red (74%)
- Yellow (26%)
- Blue (10%)



- Cyan (0%)
- Magenta (69%)
- Yellow (87%)
- Black (26%)





- Cyan (26%)
- Magenta (77%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.4276, 13.7877, 2.3989 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 22.4276, 13.7877, 2.3989 by changing the saturation by 10% instead.

 22.4276, 13.7877,
2.3989


 22.4276, 13.7877,
2.3989


257.3618,
215.9061, 128.2922


 14.2898, 7.9732,
0.7858


 46.9253, 32.7119,
10.1052


 8.4055, 4.0778,
0.0000


 64.0160, 46.5903,
17.0463

 4.4095, 1.7172,
0.0000

 84.8216, 63.9254,
26.6041

 1.9363, 0.4347,
0.0000

 109.7075, 85.1017,
39.1971


 0.5978, 0.0000,
0.0000


 139.0392,
110.5035, 55.2439


 0.0000, 0.0000,
0.0000


 173.1819,


140.5152, 75.1629


 212.5010,
175.5213, 99.3729


 22.4276, 13.7877,
2.3989


 22.4276, 13.7877,
2.3989


 21.6373, 12.4338,
1.4376


 23.5725, 15.6370,
4.1391

 21.4343, 12.0821,
1.2024

 25.1143, 18.0243,
6.7997

 27.0882, 20.9894,
10.4872

 29.5250, 24.5675,
15.2934

 32.4526, 28.7909,
21.2997

■ 35.8965, 33.6897,
28.5799

■ 39.8805, 39.2918,
37.2018

■ 44.4269, 45.6238,
47.2286

■ 49.5567, 52.7108,
58.7192

Harmonies

Analogous

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



26.2981, 13.7877, 9.1905



22.4276, 13.7877, 2.3989



16.4349, 13.7877, 0.6628

Triad

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



22.4276, 13.7877, 2.3989



5.3860, 13.7877, 7.8024



15.6238, 13.7877, 67.8486

Complementary

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



22.4276, 13.7877, 2.3989



21.1978, 27.2772, 51.7244

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.



10.2580, 13.7877, 66.3717



22.4276, 13.7877, 2.3989



5.2816, 13.7877, 22.8854

Square

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



22.4276, 13.7877, 2.3989



7.1481, 13.7877, 1.9871



6.8071, 13.7877, 46.4668



21.6929, 13.7877, 49.6970

Rectangle

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



22.4276, 13.7877, 2.3989



12.5598, 13.7877, 0.4579



6.8071, 13.7877, 46.4668



13.6654, 13.7877, 69.8723

Sweetspot

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



22.4279, 13.7885, 2.3991



65.2435, 61.3209, 52.1953



27.0366, 13.7666, 32.4189



13.5402, 12.4927, 10.1791



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



22.4279, 13.7885, 2.3991



38.7089, 21.6214, 2.1332



30.1615, 29.2557, 4.9770



9.6825, 9.8409, 9.9658



14.6372, 8.3131, 0.8331



0.6204, 0.4197, 0.0483

Inverse Universe

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



21.1978, 27.2772, 51.7244



36.0168, 45.7121, 93.1512



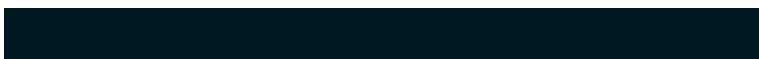
11.9201, 8.7218, 48.6319



9.6400, 10.4724, 12.1855



13.6517, 17.4152, 35.0348



0.5771, 0.7669, 1.3865

Previews

White Background



This preview shows how the XYZ color 22.4276, 13.7877, 2.3989 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 22.4276, 13.7877, 2.3989 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 22.4276, 13.7877, 2.3989

Background



This preview shows how black text looks on a background with the XYZ color 22.4276, 13.7877, 2.3989.



This preview shows how white text looks on a background with the XYZ color 22.4276, 13.7877,

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

22.4276, 13.7877, 2.3989

Protanopia

12.7216, 14.0186, 3.7856

Deuteranopia

13.9776, 13.8292, 1.9326



Tritanopia

23.0910, 13.8466, 5.3265

Trichromacy



Original Color

22.4276, 13.7877, 2.3989

Protanomaly

15.0919, 12.9289, 3.1389

Deuteranomaly

16.1685, 13.0358, 1.9224

Tritanomaly

22.8741, 13.8366, 3.9478

Monochromacy



Original Color

22.4276, 13.7877, 2.3989

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.8141, 10.7439, 6.8672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4276, 13.7877, 2.3989 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(188, 58, 25)` looks like.

```
.text, #text, p{  
    color:rgb(188, 58, 25)  
}
```

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(188, 58, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 58, 25) }
```

Border

The CSS property to change the border of an element to XYZ 22.4276, 13.7877, 2.3989 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(188, 58, 25) }
```


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

```
.border{ border-color:rgb(188, 58, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 58, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 58, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 58, 25);  
box-shadow:4px 4px 4px 4px rgb(188, 58,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4276, 13.7877, 2.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 58, 25) }
```

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

```
.background{ background-color: rgb(188, 58,  
25) }
```

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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