

Converting Colors

XYZ(22.3744, 13.6328, 3.2345)

Have a look what the booklet for
XYZ(22.3744, 13.6328, 3.2345)
contains.

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Color

**XYZ(22.2906, 13.6246,
3.2052)**

Conversions

Conversions Part 1

Format	Color
Hex	BB3925
RGB	187, 57, 37
RGB Percent	73%, 22%, 15%
CMY	0.2667, 0.7764, 0.8549
CMYK	0.00, 0.70, 0.80, 0.27
HSL	8°, 67%, 44%
HSV	8°, 80%, 73%
XYZ	22.2906, 13.6246, 3.2052
YIQ	93.5900, 83.9000, 21.3400

Conversions

Conversions Part 2

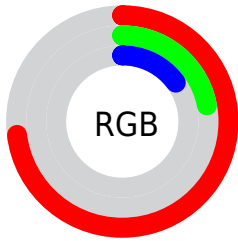
Format	Color
R_{YB}	187, 60, 37
Decimal	12269861
CIE _{Lab}	43.69, 51.06, 41.16
CIE _{LCh}	44, 65.582, 38.874
Yxy	13.6246, 0.5698, 0.3483
Android (android.graphics.Color)	4290459941 (0xFFBB3925)
YUV	93.5900, -27.8989, 81.9206
Hunter-Lab	36.9115, 43.1997, 20.6896

Details

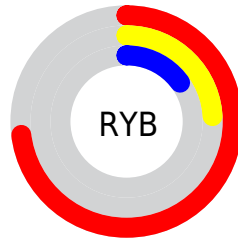
The XYZ color **22.2906, 13.6246, 3.2052** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **23.5498, 31.6156, 51.8747**, and the grayscale version is **10.5931, 11.1448, 12.1367**.

A 20% lighter version of the original color is **46.8187, 32.5524, 12.2031**, and **8.6042, 4.4356, 0.4027** is the 20% darker color. If you saturate the color by 10%, you get **21.3912, 12.1817, 1.8091**, and if you desaturate by 10%, it is **23.5966, 15.6406, 5.4783**.

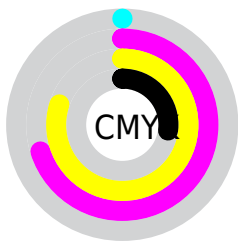
Distribution



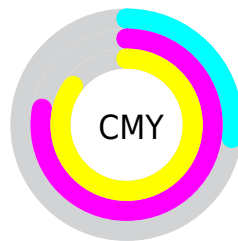
- Red (73%)
- Green (22%)
- Blue (15%)



- Red (73%)
- Yellow (24%)
- Blue (15%)



- Cyan (0%)
- Magenta (70%)
- Yellow (80%)
- Black (27%)





- Cyan (27%)
- Magenta (78%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2906, 13.6246, 3.2052 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 22.2906, 13.6246, 3.2052 by changing the saturation by 10% instead.


 22.2906, 13.6246,
3.2052


 22.2906, 13.6246,
3.2052


256.6641,
214.8828, 138.9327


 14.1884, 7.8600,
1.2003


 46.7011, 32.4214,
12.1307


 8.3344, 4.0055,
0.0000


 63.7401, 46.2225,
19.8885

 4.3632, 1.6767,
0.0000

 84.4888, 63.4712,
30.4009

 1.9096, 0.4085,
0.0000

 109.3124, 84.5519,
44.0866

 0.5824, 0.0000,
0.0000

 138.5764,
109.8490, 61.3641

 0.0000, 0.0000,
0.0000

 172.6461,

139.7469, 82.6519

211.8869,
174.6301, 108.3686

22.2906, 13.6246,
3.2052

22.2906, 13.6246,
3.2052

21.3912, 12.1817,
1.8091

23.5966, 15.6406,
5.4783

20.8398, 11.2576,
1.0745

25.3504, 18.2794,
8.7417

27.5892, 21.5878,
13.0920

30.3457, 25.6077,
18.6144

33.6501, 30.3774,
25.3855

■ 37.5299, 35.9323,
33.4753

■ 42.0108, 42.3058,
42.9487

■ 47.1172, 49.5293,
53.8664

■ 52.8718, 57.6324,
66.2853

Harmonies

Analogous

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



25.4051, 13.6246, 10.8760



22.2906, 13.6246, 3.2052



16.8570, 13.6246, 0.9897

Triad

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



22.2906, 13.6246, 3.2052



5.7348, 13.6246, 6.7810



14.5382, 13.6246, 64.2023

Complementary

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



22.2906, 13.6246, 3.2052



23.5498, 31.6156, 51.8747

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.



9.6984, 13.6246, 60.1307



22.2906, 13.6246, 3.2052



5.4228, 13.6246, 19.6539

Square

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



22.2906, 13.6246, 3.2052



7.6760, 13.6246, 1.8978



6.6689, 13.6246, 40.7022



20.2121, 13.6246, 49.6806

Rectangle

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



22.2906, 13.6246, 3.2052



13.1454, 13.6246, 0.6822



6.6689, 13.6246, 40.7022



12.7561, 13.6246, 65.0933

Sweetspot

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



22.2909, 13.6254, 3.2054



64.1871, 60.0269, 53.6112



28.1300, 14.6779, 37.9096



13.5951, 12.4452, 10.6819



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.



22.2909, 13.6254, 3.2054



37.5399, 20.5087, 2.2583



29.0786, 27.2008, 5.4680



9.6300, 9.7361, 9.9483



14.3900, 7.8188, 0.7507



0.5974, 0.3737, 0.0407

Inverse Universe

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



23.5498, 31.6156, 51.8747



39.5372, 53.1911, 92.3845



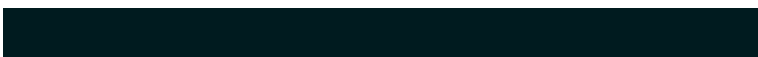
13.5597, 11.6355, 48.5447



9.6971, 10.5865, 12.2045



15.1275, 20.3667, 35.5268



0.6231, 0.8588, 1.4018

Previews

White Background



This preview shows how the XYZ color 22.2906, 13.6246, 3.2052 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 22.2906, 13.6246, 3.2052 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 22.2906, 13.6246, 3.2052

Background



This preview shows how black text looks on a background with the XYZ color 22.2906, 13.6246, 3.2052.



This preview shows how white text looks on a background with the XYZ color 22.2906, 13.6246,

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

22.2906, 13.6246, 3.2052

Protanopia

12.5963, 13.7758, 5.0127

Deuteranopia

13.9974, 13.8192, 2.8493



Tritanopia

22.8437, 13.7192, 5.3150

Trichromacy



Original Color

22.2906, 13.6246, 3.2052

Protanomaly

14.8664, 12.6686, 4.1444

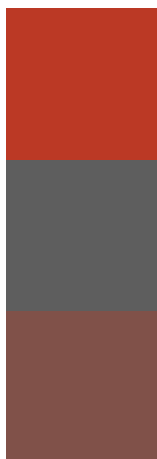
Deuteranomaly

16.1546, 13.0087, 2.8219

Tritanomaly

22.7289, 13.7500, 4.4737

Monochromacy



Original Color

22.2906, 13.6246, 3.2052

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

13.0471, 10.9551, 7.7302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2906, 13.6246, 3.2052 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(187, 57, 37)` looks like.

```
.text, #text, p{  
    color:rgb(187, 57, 37)  
}
```

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(187, 57, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 57, 37) }
```

Border

The CSS property to change the border of an element to XYZ 22.2906, 13.6246, 3.2052 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(187, 57, 37) }
```


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

```
.border{ border-color:rgb(187, 57, 37) }
```

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

Here you see how a box with a 4 pixel rgb(187, 57, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 57, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 57, 37);  
box-shadow:4px 4px 4px 4px rgb(187, 57,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2906, 13.6246, 3.2052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 57, 37) }
```

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

```
.background{ background-color: rgb(187, 57,  
37) }
```

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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