

Converting Colors

XYZ(22.6211, 13.4020, 3.6419)

Have a look what the booklet for
XYZ(22.6211, 13.4020, 3.6419)
contains.

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Color

**XYZ(22.6503, 13.4492,
3.6877)**

Conversions

Conversions Part 1

Format	Color
Hex	BD342B
RGB	189, 52, 43
RGB Percent	74%, 20%, 17%
CMY	0.2588, 0.7960, 0.8314
CMYK	0.00, 0.72, 0.77, 0.26
HSL	4°, 63%, 45%
HSV	4°, 77%, 74%
XYZ	22.6503, 13.4492, 3.6877
YIQ	91.9370, 84.5410, 26.2450

Conversions

Conversions Part 2

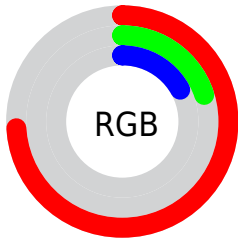
Format	Color
R_{YB}	189, 53, 43
Decimal	12399659
CIE Lab	43.43, 53.82, 37.76
CIE LCh	43, 65.743, 35.056
Yxy	13.4492, 0.5693, 0.3380
Android (android.graphics.Color)	4290589739 (0xFFBD342B)
YUV	91.9370, -24.1259, 85.1243
Hunter-Lab	36.6732, 46.0683, 19.7092

Details

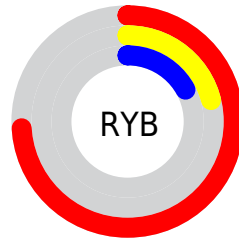
The XYZ color **22.6503, 13.4492, 3.6877** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **26.5010, 36.8266, 53.8553**, and the grayscale version is **10.1992, 10.7303, 11.6853**.

A 20% lighter version of the original color is **47.3529, 32.1588, 13.3843**, and **8.9021, 4.5892, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **21.7320, 12.0450, 2.0492**, and if you desaturate by 10%, it is **24.0270, 15.5137, 6.2713**.

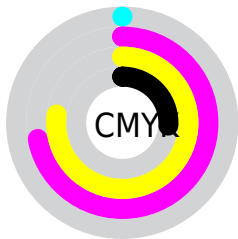
Distribution



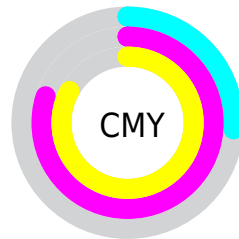
- Red (74%)
- Green (20%)
- Blue (17%)



- Red (74%)
- Yellow (21%)
- Blue (17%)



- Cyan (0%)
- Magenta (72%)
- Yellow (77%)
- Black (26%)





- Cyan (26%)
- Magenta (80%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6503, 13.4492, 3.6877 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 22.6503, 13.4492, 3.6877 by changing the saturation by 10% instead.


 22.6503, 13.4492,
3.6877


 22.6503, 13.4492,
3.6877

258.4928,
213.7768, 144.6882


 14.4548, 7.7386,
1.4556


 47.2894, 32.1085,
13.2829


 8.5215, 3.9281,
0.1845


 64.4636, 45.8259,
21.4830

 4.4850, 1.6334,
0.0000

 85.3615, 62.9811,
32.5096

 1.9800, 0.3800,
0.0000

 110.3484, 83.9584,
46.7812

 0.6227, 0.0000,
0.0000

 139.7896,
109.1422, 64.7163

 0.0000, 0.0000,
0.0000

 174.0505,

138.9170, 86.7335

213.4964,
173.6670, 113.2513

■ 22.6503, 13.4492,
3.6877

■ 22.6503, 13.4492,
3.6877

■ 21.7320, 12.0450,
2.0492

■ 24.0270, 15.5137,
6.2713

■ 21.2080, 11.2170,
1.1967

■ 25.9108, 18.3037,
9.9129

■ 21.1135, 11.0736,
1.0246

■ 28.3450, 21.8792,
14.7100

■ 31.3681, 26.2933,
20.7492

■ 35.0150, 31.5943,
28.1086

■ 39.3182, 37.8272,
36.8598

■ 44.3075, 45.0337,
47.0696

■ 50.0113, 53.2529,
58.8001

■ 56.4561, 62.5219,
72.1102

Harmonies

Analogous

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



25.3060, 13.4492, 12.2977



22.6503, 13.4492, 3.6877



17.3990, 13.4492, 1.0715

Triad

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



22.6503, 13.4492, 3.6877



5.7748, 13.4492, 5.6833



13.6702, 13.4492, 64.4854

Complementary

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



22.6503, 13.4492, 3.6877



26.5010, 36.8266, 53.8553

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.



9.0655, 13.4492, 57.9506



22.6503, 13.4492, 3.6877



5.2722, 13.4492, 17.2710

Square

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



22.6503, 13.4492, 3.6877



7.9225, 13.4492, 1.5675



6.3007, 13.4492, 37.5319



19.3101, 13.4492, 51.9554

Rectangle

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



22.6503, 13.4492, 3.6877



13.6501, 13.4492, 0.6562



6.3007, 13.4492, 37.5319



11.9535, 13.4492, 64.4983

Sweetspot

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



22.6506, 13.4500, 3.6879



65.5602, 60.7149, 56.1215



30.2625, 15.9116, 45.5695



13.5262, 12.2269, 10.9075



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.



22.6506, 13.4500, 3.6879



38.1835, 20.4070, 2.4624



28.5424, 25.2337, 5.6519



9.5762, 9.6283, 9.9304



14.2261, 7.4910, 0.6961



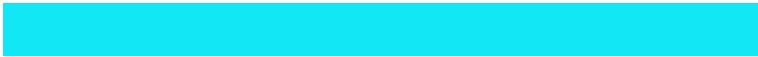
0.5736, 0.3261, 0.0327

Inverse Universe

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



26.5010, 36.8266, 53.8553



45.1913, 63.7143, 96.1425



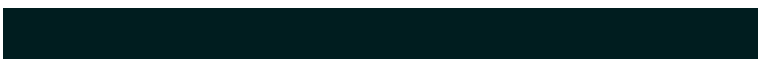
15.6183, 15.0612, 50.2277



9.7568, 10.7059, 12.2244



16.8243, 23.7603, 36.0924



0.6744, 0.9615, 1.4189

Previews

White Background



This preview shows how the XYZ color 22.6503, 13.4492, 3.6877 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



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 22.6503, 13.4492, 3.6877

Background



This preview shows how black text looks on a background with the XYZ color 22.6503, 13.4492, 3.6877.



This preview shows how white text looks on a background with the XYZ color 22.6503, 13.4492,

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

22.6503, 13.4492, 3.6877

Protanopia

12.6792, 13.7938, 6.1319

Deuteranopia

13.8481, 13.5910, 3.3323



Tritanopia

22.8127, 13.4435, 4.7607

Trichromacy



Original Color

22.6503, 13.4492, 3.6877

Protanomaly

14.8756, 12.4168, 4.9808

Deuteranomaly

16.0389, 12.5977, 3.3365

Tritanomaly

22.7245, 13.4082, 4.2961

Monochromacy



Original Color

22.6503, 13.4492, 3.6877

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

12.6423, 10.3142, 7.8031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6503, 13.4492, 3.6877 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(189, 52, 43)` looks like.

```
.text, #text, p{  
    color:rgb(189, 52, 43)  
}
```

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(189, 52, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 52, 43) }
```

Border

The CSS property to change the border of an element to XYZ 22.6503, 13.4492, 3.6877 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(189, 52, 43) }
```


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

```
.border{ border-color:rgb(189, 52, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 52, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 52, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 52, 43);  
box-shadow:4px 4px 4px 4px rgb(189, 52,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6503, 13.4492, 3.6877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 52, 43) }
```

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

```
.background{ background-color: rgb(189, 52,  
43) }
```

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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