

Converting Colors

XYZ(20.2303, 13.5203, 3.2410)

Have a look what the booklet for
XYZ(20.2303, 13.5203, 3.2410)
contains.

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Color

**XYZ(20.3511, 13.6137,
3.2242)**

Conversions

Conversions Part 1

Format	Color
Hex	B04524
RGB	176, 69, 36
RGB Percent	69%, 27%, 14%
CMY	0.3098, 0.7294, 0.8588
CMYK	0.00, 0.61, 0.80, 0.31
HSL	14°, 66%, 42%
HSV	14°, 80%, 69%
XYZ	20.3511, 13.6137, 3.2242
YIQ	97.2310, 74.3650, 12.4210

Conversions

Conversions Part 2

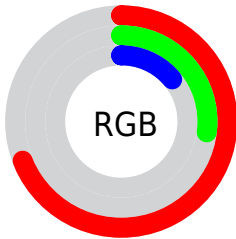
Format	Color
R_{YB}	176, 79, 36
Decimal	11552036
CIE _{Lab}	43.67, 41.91, 41.01
CIE _{LCh}	44, 58.638, 44.378
Yxy	13.6137, 0.5472, 0.3661
Android (android.graphics.Color)	4289742116 (0xFFB04524)
YUV	97.2310, -30.1869, 69.0804
Hunter-Lab	36.8967, 33.8857, 20.6467

Details

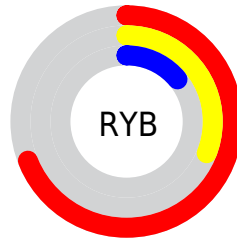
The XYZ color **20.3511, 13.6137, 3.2242** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **18.3858, 23.1531, 44.5741**, and the grayscale version is **11.4788, 12.0766, 13.1515**.

A 20% lighter version of the original color is **43.6586, 32.4764, 12.1511**, and **7.4800, 4.0698, 0.3913** is the 20% darker color. If you saturate the color by 10%, you get **19.4097, 12.0605, 1.8946**, and if you desaturate by 10%, it is **21.6128, 15.5964, 5.3125**.

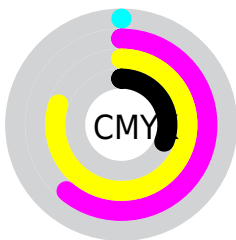
Distribution



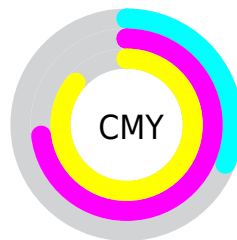
- Red (69%)
- Green (27%)
- Blue (14%)



- Red (69%)
- Yellow (31%)
- Blue (14%)



- Cyan (0%)
- Magenta (61%)
- Yellow (80%)
- Black (31%)





- Cyan (31%)
- Magenta (73%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3511, 13.6137, 3.2242 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 20.3511, 13.6137, 3.2242 by changing the saturation by 10% instead.


 20.3511, 13.6137,
3.2242


 20.3511, 13.6137,
3.2242


246.6070,
214.8142, 139.1668


 12.7603, 7.8525,
1.2102


 43.5045, 32.4020,
12.1768

 7.3395, 4.0007,
0.0000


 59.7978, 46.1979,
19.9526


 3.7235, 1.6740,
0.0000


 79.7226, 63.4408,
30.4860

 1.5470, 0.4067,
0.0000

 103.6443, 84.5151,
44.1956

 0.3574, 0.0000,
0.0000

 131.9282,
109.8052, 61.4999

 0.0000, 0.0000,
0.0000

 164.9398,

139.6955, 82.8175

203.0443,
174.5703, 108.5670

20.3511, 13.6137,
3.2242

20.3511, 13.6137,
3.2242

19.4097, 12.0605,
1.8946

21.6128, 15.5964,
5.3125

18.7405, 10.8952,
1.1383

23.2227, 18.0365,
8.2527

18.7145, 10.8502,
1.1079

25.2063, 20.9620,
12.1251

27.5862, 24.3977,
17.0007

30.3835, 28.3670,
22.9433

■ 33.6173, 32.8917,
30.0115

■ 37.3059, 37.9921,
38.2596

■ 41.4662, 43.6879,
47.7384

■ 46.1144, 49.9975,
58.4956

Harmonies

Analogous

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



23.5441, 13.6137, 9.3783



20.3511, 13.6137, 3.2242



15.4718, 13.6137, 1.3609

Triad

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



20.3511, 13.6137, 3.2242



6.1510, 13.6137, 8.9919



15.2636, 13.6137, 55.4214

Complementary

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



20.3511, 13.6137, 3.2242



18.3858, 23.1531, 44.5741

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.



10.6996, 13.6137, 55.0790



20.3511, 13.6137, 3.2242



6.1208, 13.6137, 22.0491

Square

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



20.3511, 13.6137, 3.2242



7.6846, 13.6137, 3.0855



7.5890, 13.6137, 40.5526



20.1679, 13.6137, 41.3186

Rectangle

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



20.3511, 13.6137, 3.2242



12.2756, 13.6137, 1.1928



7.5890, 13.6137, 40.5526



13.6268, 13.6137, 57.1737

Sweetspot

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



20.3514, 13.6145, 3.2244



58.0103, 55.5256, 47.9194



23.5186, 12.4852, 27.2896



12.1393, 11.4269, 9.4436



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.3514, 13.6145, 3.2244



34.3066, 20.3068, 2.4427



27.4074, 27.7264, 5.5764



8.6536, 8.8197, 8.8988



13.7699, 8.0383, 0.8258



0.4786, 0.3436, 0.0411

Inverse Universe

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



18.3858, 23.1531, 44.5741



30.2976, 37.6404, 80.1638



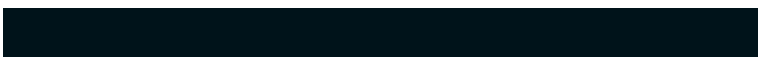
10.9686, 8.3188, 42.1017



8.5695, 9.2852, 10.8469



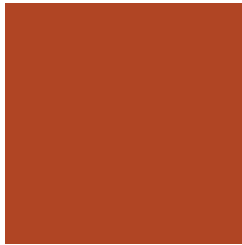
12.1029, 15.0062, 32.3956



0.4221, 0.5548, 1.0331

Previews

White Background



This preview shows how the XYZ color 20.3511, 13.6137, 3.2242 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 20.3511, 13.6137, 3.2242 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 20.3511, 13.6137, 3.2242

Background



This preview shows how black text looks on a background with the XYZ color 20.3511, 13.6137, 3.2242.



This preview shows how white text looks on a background with the XYZ color 20.3511, 13.6137,

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

20.3511, 13.6137, 3.2242

Protanopia

12.6459, 13.8109, 4.5840

Deuteranopia

14.0197, 13.8281, 2.9671



Tritanopia

21.0959, 13.5574, 7.1352

Trichromacy



Original Color

20.3511, 13.6137, 3.2242

Protanomaly

14.6402, 13.0526, 3.9383

Deuteranomaly

15.7567, 13.2762, 2.9604

Tritanomaly

20.8182, 13.5389, 5.3869

Monochromacy



Original Color

20.3511, 13.6137, 3.2242

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.2824, 11.7600, 8.2265

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3511, 13.6137, 3.2242 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(176, 69, 36)` looks like.

```
.text, #text, p{  
    color:rgb(176, 69, 36)  
}
```

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(176, 69, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 69, 36) }
```

Border

The CSS property to change the border of an element to XYZ 20.3511, 13.6137, 3.2242 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(176, 69, 36) }
```


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

```
.border{ border-color:rgb(176, 69, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 69, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 69, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 69, 36);  
box-shadow:4px 4px 4px 4px rgb(176, 69,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3511, 13.6137, 3.2242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 69, 36) }
```

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

```
.background{ background-color: rgb(176, 69,  
36) }
```

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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