

Converting Colors

XYZ(21.3975, 15.7160, 3.7448)

Have a look what the booklet for
XYZ(21.3975, 15.7160, 3.7448)
contains.

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Color

**XYZ(21.4247, 15.7107,
3.7370)**

Conversions

Conversions Part 1

Format	Color
Hex	B05426
RGB	176, 84, 38
RGB Percent	69%, 33%, 15%
CMY	0.3098, 0.6706, 0.8510
CMYK	0.00, 0.52, 0.78, 0.31
HSL	20°, 64%, 42%
HSV	20°, 78%, 69%
XYZ	21.4247, 15.7107, 3.7370
YIQ	106.2640, 69.5980, 5.1980

Conversions

Conversions Part 2

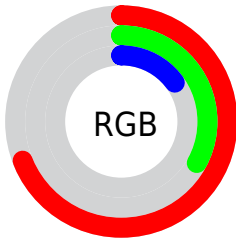
Format	Color
R_{YB}	176, 107, 38
Decimal	11555878
CIE _{Lab}	46.59, 34.50, 42.92
CIE _{LCh}	47, 55.069, 51.209
Yxy	15.7107, 0.5242, 0.3844
Android (android.graphics.Color)	4289745958 (0xFFB05426)
YUV	106.2640, -33.6542, 61.1585
Hunter-Lab	39.6367, 27.1197, 22.1558

Details

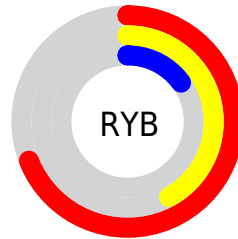
The XYZ color **21.4247, 15.7107, 3.7370** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **16.6178, 19.5107, 43.9642**, and the grayscale version is **13.8488, 14.5700, 15.8667**.

A 20% lighter version of the original color is **45.2687, 36.0044, 13.3677**, and **7.9372, 4.9840, 0.5437** is the 20% darker color. If you saturate the color by 10%, you get **20.3693, 13.9521, 2.3002**, and if you desaturate by 10%, it is **22.7676, 17.8298, 5.9320**.

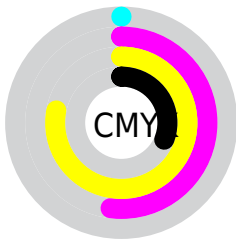
Distribution



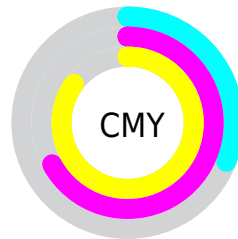
- Red (69%)
- Green (33%)
- Blue (15%)



- Red (69%)
- Yellow (42%)
- Blue (15%)



- Cyan (0%)
- Magenta (52%)
- Yellow (78%)
- Black (31%)





- Cyan (31%)
- Magenta (67%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4247, 15.7107, 3.7370 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 21.4247, 15.7107, 3.7370 by changing the saturation by 10% instead.

 21.4247, 15.7107,
3.7370


 21.4247, 15.7107,
3.7370


252.2162,
227.6285, 145.2557


 13.5490, 9.3197,
1.4822


 45.2793, 36.0952,
13.3985


 7.8873, 4.9503,
0.2046


 61.9889, 50.8575,
21.6423


 4.0741, 2.2181,
0.0000

 82.3738, 69.1790,
32.7195

 1.7441, 0.7298,
0.0000

 106.7995, 91.4441,
47.0487

 0.4837, 0.0000,
0.0000

 135.6312,
118.0372, 65.0483

 0.0000, 0.0000,
0.0000

 169.2343,

149.3427, 87.1370

207.9742,
185.7450, 113.7333

21.4247, 15.7107,
3.7370

21.4247, 15.7107,
3.7370

20.3693, 13.9521,
2.3002

22.7676, 17.8298,
5.9320

19.5641, 12.5248,
1.4668

24.4206, 20.3277,
8.9749

19.4516, 12.3244,
1.3536

26.4053, 23.2242,
12.9437

28.7404, 26.5369,
17.9070

31.4433, 30.2822,
23.9270

■ 34.5301, 34.4756,
31.0606

■ 38.0159, 39.1318,
39.3609

■ 41.9150, 44.2647,
48.8773

■ 46.2409, 49.8877,
59.6565

Harmonies

Analogous

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



25.1820, 15.7107, 9.2738



21.4247, 15.7107, 3.7370



16.3741, 15.7107, 2.0837

Triad

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



21.4247, 15.7107, 3.7370



7.5964, 15.7107, 13.4081



18.4908, 15.7107, 54.9753

Complementary

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



21.4247, 15.7107, 3.7370



16.6178, 19.5107, 43.9642

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.



13.5782, 15.7107, 58.2303



21.4247, 15.7107, 3.7370



7.9273, 15.7107, 28.4365

Square

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



21.4247, 15.7107, 3.7370



8.8793, 15.7107, 5.3863



9.9054, 15.7107, 46.7120



23.2535, 15.7107, 39.3156

Rectangle

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



21.4247, 15.7107, 3.7370



13.2247, 15.7107, 2.1312



9.9054, 15.7107, 46.7120



16.7814, 15.7107, 57.7971

Sweetspot

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



21.4251, 15.7116, 3.7373



59.1757, 57.8564, 48.3079



22.6268, 12.2281, 22.2869



12.4168, 11.9819, 9.5361



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.



21.4251, 15.7116, 3.7373



35.8535, 23.3773, 3.0299



29.6455, 32.1524, 6.4774



8.7202, 8.9528, 8.9210



14.3209, 9.1404, 1.0095



0.5056, 0.3976, 0.0501

Inverse Universe

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



16.6178, 19.5107, 43.9642



26.5461, 30.0881, 78.9038



10.3046, 6.8843, 41.8598



8.4992, 9.1447, 10.8235



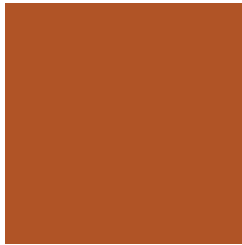
10.5006, 11.8016, 31.8615



0.3813, 0.4732, 1.0195

Previews

White Background



This preview shows how the XYZ color 21.4247, 15.7107, 3.7370 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 21.4247, 15.7107, 3.7370 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 21.4247, 15.7107, 3.7370

Background



This preview shows how black text looks on a background with the XYZ color 21.4247, 15.7107, 3.7370.



This preview shows how white text looks on a background with the XYZ color 21.4247, 15.7107,

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

21.4247, 15.7107, 3.7370

Protanopia

14.4898, 15.8512, 4.8807

Deuteranopia

15.9464, 15.6910, 3.4845



Tritanopia

22.7563, 15.6970, 10.2179

Trichromacy



Original Color

21.4247, 15.7107, 3.7370

Protanomaly

16.4174, 15.3214, 4.3775

Deuteranomaly

17.5123, 15.3403, 3.5513

Tritanomaly

22.0870, 15.6372, 7.1644

Monochromacy



Original Color

21.4247, 15.7107, 3.7370

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.2130, 14.1547, 9.7149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4247, 15.7107, 3.7370 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, 84, 38)` looks like.

```
.text, #text, p{  
    color:rgb(176, 84, 38)  
}
```

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, 84, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 84, 38) }
```

Border

The CSS property to change the border of an element to XYZ 21.4247, 15.7107, 3.7370 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, 84, 38) }
```


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

```
.border{ border-color:rgb(176, 84, 38) }
```

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

Here you see how a box with a 4 pixel rgb(176, 84, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 84, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 84, 38);  
box-shadow:4px 4px 4px 4px rgb(176, 84,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4247, 15.7107, 3.7370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 84, 38) }
```

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

```
.background{ background-color: rgb(176, 84,  
38) }
```

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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