

Converting Colors

XYZ(23.7007, 13.1496, 1.5187)

Have a look what the booklet for
XYZ(23.7007, 13.1496, 1.5187)
contains.

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Color

**XYZ(23.7007, 13.1496,
1.5187)**

Conversions

Conversions Part 1

Format	Color
Hex	C52408
RGB	197, 36, 8
RGB Percent	77%, 14%, 3%
CMY	0.2275, 0.8588, 0.9686
CMYK	0.00, 0.82, 0.96, 0.23
HSL	9°, 92%, 40%
HSV	9°, 96%, 77%
XYZ	23.7007, 13.1496, 1.5187
YIQ	80.9470, 104.9440, 25.4240

Conversions

Conversions Part 2

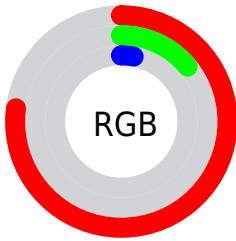
Format	Color
RYB	197, 41, 8
Decimal	12919816
CIELab	42.99, 60.45, 53.56
CIElCh	43, 80.766, 41.540
Yxy	13.1496, 0.6177, 0.3427
Android (android.graphics.Color)	4291109896 (0xFFC52408)
YUV	80.9470, -35.9629, 101.7785
Hunter-Lab	36.2624, 53.2065, 22.9005

Details

The XYZ color **23.7007, 13.1496, 1.5187** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **24.3636, 32.4538, 57.8031**, and the grayscale version is **7.8662, 8.2759, 9.0124**.

A 20% lighter version of the original color is **46.3041, 30.1252, 7.5119**, and **9.6729, 4.9865, 0.4527** is the 20% darker color. If you saturate the color by 10%, you get **23.4701, 12.7588, 1.2257**, and if you desaturate by 10%, it is **24.4956, 14.4802, 2.5839**.

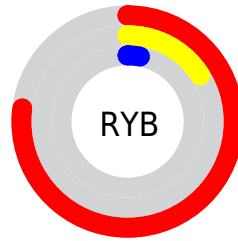
Distribution



Red (77%)

Green (14%)

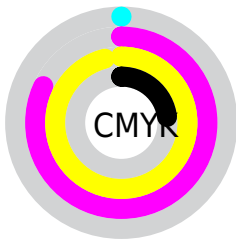
Blue (3%)



Red (77%)

Yellow (16%)

Blue (3%)

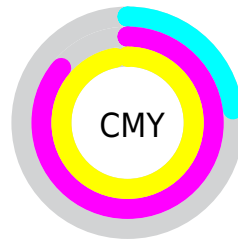


Cyan (0%)

Magenta (82%)

Yellow (96%)

Black (23%)



Cyan (23%)

Magenta (86%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7007, 13.1496, 1.5187 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 23.7007, 13.1496, 1.5187 by changing the saturation by 10% instead.


 23.7007, 13.1496,
1.5187


 23.7007, 13.1496,
1.5187


 263.7725,
211.8742, 114.3883


 15.2353, 7.5316,
0.2318


 48.9996, 31.5723,
7.6775


 9.0721, 3.7968,
0.0000


 66.5638, 45.1458,
13.5562

 4.8457, 1.5605,
0.0000

 87.8916, 62.1400,
21.8593

 2.1908, 0.3308,
0.0000

 113.3483, 82.9392,
33.0052


 0.7379, 0.0000,
0.0000


 143.2995,
107.9278, 47.4126


 0.0000, 0.0000,
0.0000


 178.1103,


137.4902, 65.4998


 218.1462,
172.0109, 87.6856


 23.7007, 13.1496,
1.5187


 23.7007, 13.1496,
1.5187

 23.4701, 12.7588,
1.2257

 24.4956, 14.4802,
2.5839

 25.7107, 16.4060,
4.5436

 27.3982, 18.9891,
7.5474

 29.6017, 22.2825,
11.7152

 32.3598, 26.3338,
17.1502

■ 35.7071, 31.1865,
23.9445

■ 39.6756, 36.8808,
32.1815

■ 44.2948, 43.4540,
41.9378

■ 49.5924, 50.9414,
53.2848

Harmonies

Analogous

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



28.1767, 13.1496, 8.5203



23.7007, 13.1496, 1.5187



16.6616, 13.1496, 0.0000

Triad

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



23.7007, 13.1496, 1.5187



4.2629, 13.1496, 6.0053



15.0357, 13.1496, 80.4875

Complementary

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



23.7007, 13.1496, 1.5187



24.3636, 32.4538, 57.8031

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.



9.0936, 13.1496, 77.1657



23.7007, 13.1496, 1.5187



4.0838, 13.1496, 22.2834

Square

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



23.7007, 13.1496, 1.5187



6.1469, 13.1496, 0.9553



5.5351, 13.1496, 50.9419



22.1773, 13.1496, 58.0318

Rectangle

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



23.7007, 13.1496, 1.5187



12.1808, 13.1496, 0.0000



5.5351, 13.1496, 50.9419



12.8212, 13.1496, 82.6478

Sweetspot

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



23.7010, 13.1504, 1.5189



68.4376, 62.3022, 52.1614



30.5398, 15.0148, 40.2175



13.9968, 12.3996, 9.8140



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



23.7010, 13.1504, 1.5189



41.9266, 22.6332, 2.1589



30.7498, 27.2481, 3.8685



10.7586, 10.8864, 11.0970



15.4758, 8.4688, 0.8190



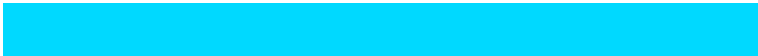
0.7746, 0.4846, 0.0527

Inverse Universe

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



24.3636, 32.4538, 57.8031



42.9156, 56.9511, 103.3385



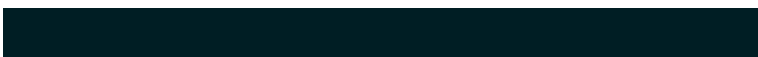
12.8531, 9.4328, 53.9663



10.8076, 11.7893, 13.6234



15.8630, 21.1199, 37.9848



0.7886, 1.0749, 1.8111

Previews

White Background



This preview shows how the XYZ color 23.7007, 13.1496, 1.5187 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 23.7007, 13.1496, 1.5187 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 23.7007, 13.1496, 1.5187

Background



This preview shows how black text looks on a background with the XYZ color 23.7007, 13.1496, 1.5187.



This preview shows how white text looks on a background with the XYZ color 23.7007, 13.1496,

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

23.7007, 13.1496, 1.5187

Protanopia

12.1069, 13.4199, 2.9295

Deuteranopia

13.5736, 13.4812, 1.8867



Tritanopia

23.8725, 13.1242, 2.7138

Trichromacy



Original Color

23.7007, 13.1496, 1.5187

Protanomaly

14.5906, 11.6587, 2.0974

Deuteranomaly

15.8589, 11.9088, 1.5489

Tritanomaly

23.7919, 13.1383, 2.1461

Monochromacy



Original Color

23.7007, 13.1496, 1.5187

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

10.7245, 8.2579, 4.5187

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7007, 13.1496, 1.5187 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(197, 36, 8)` looks like.

```
.text, #text, p{  
    color:rgb(197, 36, 8)  
}
```

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(197, 36, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 36, 8) }
```

Border

The CSS property to change the border of an element to XYZ 23.7007, 13.1496, 1.5187 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(197, 36, 8) }
```


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

```
.border{ border-color:rgb(197, 36, 8) }
```

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

Here you see how a box with a 4 pixel rgb(197, 36, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 36, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 36, 8);  
box-shadow:4px 4px 4px 4px rgb(197, 36, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.7007, 13.1496, 1.5187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 36, 8) }
```

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

```
.background{ background-color: rgb(197, 36,  
8) }
```

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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