

Converting Colors

XYZ(23.1334, 14.5417, 1.5700)

Have a look what the booklet for
XYZ(23.1334, 14.5417, 1.5700)
contains.

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Color

**XYZ(23.2634, 14.6314,
1.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	BF3F00
RGB	191, 63, 0
RGB Percent	75%, 25%, 0%
CMY	0.2510, 0.7529, 1.0000
CMYK	0.00, 0.67, 1.00, 0.25
HSL	20°, 100%, 37%
HSV	20°, 100%, 75%
XYZ	23.2634, 14.6314, 1.5980
YIQ	94.0900, 96.5110, 7.5430

Conversions

Conversions Part 2

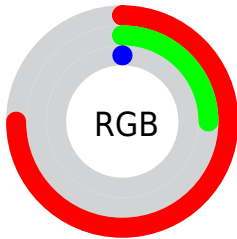
Format	Color
R_{YB}	191, 94, 0
Decimal	12533504
CIE Lab	45.13, 49.29, 56.42
CIE LCh	45, 74.921, 48.858
Yxy	14.6314, 0.5891, 0.3705
Android (android.graphics.Color)	4290723584 (0xFFBF3F00)
YUV	94.0900, -46.3864, 84.9901
Hunter-Lab	38.2510, 41.6204, 24.2988

Details

The XYZ color **23.2634, 14.6314, 1.5980** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **17.1221, 19.1980, 52.0930**, and the grayscale version is **10.7518, 11.3118, 12.3185**.

A 20% lighter version of the original color is **48.3398, 34.2780, 7.9394**, and **9.0533, 4.6671, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **23.2636, 14.6321, 1.5982**, and if you desaturate by 10%, it is **24.1754, 16.2661, 2.4861**.

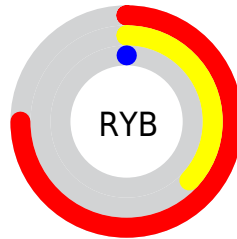
Distribution



Red (75%)

Green (25%)

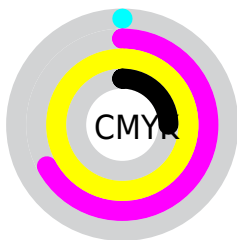
Blue (0%)



Red (75%)

Yellow (37%)

Blue (0%)

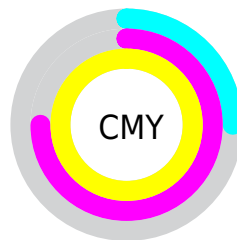


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2634, 14.6314, 1.5980 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 23.2634, 14.6314, 1.5980 by changing the saturation by 10% instead.


 23.2634, 14.6314,
1.5980


 23.2634, 14.6314,
1.5980


 261.5851,
221.1242, 115.7843


 14.9099, 8.5611,
0.2894


 48.2889, 34.2052,
7.9094


 8.8421, 4.4560,
0.0000


 65.6917, 48.4776,
13.8945

 4.6946, 1.9318,
0.0000

 86.8416, 66.2527,
22.3239

 2.1021, 0.5674,
0.0000

 112.1039, 87.9150,
33.6161


 0.6904, 0.0000,
0.0000


 141.8441,
113.8490, 48.1897


 0.0000, 0.0000,
0.0000


 176.4274,


144.4389, 66.4633


 216.2193,
180.0691, 88.8553


 23.2634, 14.6314,
1.5980


 23.2634, 14.6314,
1.5980


 23.2636, 14.6321,
1.5982

 24.1754, 16.2661,
2.4861

 25.3786, 18.2971,
4.0449

 26.9250, 20.7612,
6.4987

 28.8447, 23.6847,
9.9622

 31.1641, 27.0916,
14.5330

■ 33.9068, 31.0038,
20.2969

■ 37.0943, 35.4419,
27.3311

■ 40.7469, 40.4252,
35.7063

■ 44.8831, 45.9721,
45.4879

Harmonies

Analogous

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



28.4255, 14.6314, 7.2793



23.2634, 14.6314, 1.5980



16.3275, 14.6314, 0.3002

Triad

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



23.2634, 14.6314, 1.5980



5.2123, 14.6314, 10.2262



18.1045, 14.6314, 74.5645

Complementary

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



23.2634, 14.6314, 1.5980



17.1221, 19.1980, 52.0930

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.



11.7379, 14.6314, 77.9249



23.2634, 14.6314, 1.5980



5.4301, 14.6314, 29.6298

Square

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



23.2634, 14.6314, 1.5980



6.7491, 14.6314, 2.4025



7.4706, 14.6314, 57.6610



24.8907, 14.6314, 50.3705

Rectangle

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



23.2634, 14.6314, 1.5980



12.1587, 14.6314, 0.2639



7.4706, 14.6314, 57.6610



15.8147, 14.6314, 78.6045

Sweetspot

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



23.2637, 14.6323, 1.5982



66.1464, 63.0771, 48.2976



25.5498, 12.7020, 22.4065



13.9718, 13.0846, 9.3724



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.2637, 14.6323, 1.5982



41.4683, 25.8118, 2.7965



33.3714, 34.8476, 4.9674



9.7804, 10.0367, 9.9984



15.3551, 9.7490, 1.0724



0.6627, 0.5043, 0.0624

Inverse Universe

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



17.1221, 19.1980, 52.0930



30.4340, 33.9199, 93.2223



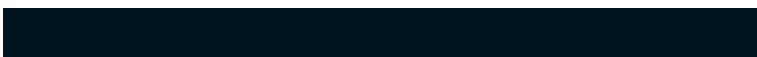
10.0055, 4.9647, 49.7208



9.5362, 10.2646, 12.1509



11.3286, 12.7689, 34.2605



0.5013, 0.6152, 1.3612

Previews

White Background



This preview shows how the XYZ color 23.2634, 14.6314, 1.5980 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 23.2634, 14.6314, 1.5980

Background



This preview shows how black text looks on a background with the XYZ color 23.2634, 14.6314, 1.5980.



This preview shows how white text looks on a background with the XYZ color 23.2634, 14.6314,

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

23.2634, 14.6314, 1.5980

Protanopia

13.3740, 14.8406, 2.8215

Deuteranopia

14.9047, 14.7370, 2.0590



Tritanopia

24.1717, 14.6822, 6.1174

Trichromacy



Original Color

23.2634, 14.6314, 1.5980

Protanomaly

15.7539, 13.7943, 2.2130

Deuteranomaly

17.2000, 14.0474, 1.8049

Tritanomaly

23.7203, 14.5847, 3.4844

Monochromacy



Original Color

23.2634, 14.6314, 1.5980

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.9621, 11.1799, 5.7497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2634, 14.6314, 1.5980 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(191, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 63, 0)  
}
```

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(191, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 63, 0) }
```

Border

The CSS property to change the border of an element to XYZ 23.2634, 14.6314, 1.5980 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(191, 63, 0) }
```


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

```
.border{ border-color:rgb(191, 63, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 63, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 63, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.2634, 14.6314, 1.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 63, 0) }
```

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

```
.background{ background-color: rgb(191, 63,  
0) }
```

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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