

Converting Colors

XYZ(23.7257, 14.6162, 2.1868)

Have a look what the booklet for
XYZ(23.7257, 14.6162, 2.1868)
contains.

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Color

**XYZ(23.7257, 14.6162,
2.1868)**

Conversions

Conversions Part 1

Format	Color
Hex	C13C13
RGB	193, 60, 19
RGB Percent	76%, 24%, 7%
CMY	0.2431, 0.7647, 0.9255
CMYK	0.00, 0.69, 0.90, 0.24
HSL	14°, 82%, 42%
HSV	14°, 90%, 76%
XYZ	23.7257, 14.6162, 2.1868
YIQ	95.0930, 92.4290, 15.4450

Conversions

Conversions Part 2

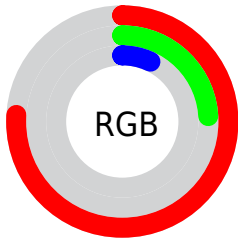
Format	Color
RYB	193, 73, 19
Decimal	12663827
CIELab	45.10, 51.44, 50.99
CIElCh	45, 72.429, 44.746
Yxy	14.6162, 0.5854, 0.3606
Android (android.graphics.Color)	4290853907 (0xFFC13C13)
YUV	95.0930, -37.5138, 85.8644
Hunter-Lab	38.2311, 43.8701, 23.3704

Details

The XYZ color **23.7257, 14.6162, 2.1868** 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 **21.1209, 26.4422, 54.4423**, and the grayscale version is **10.9720, 11.5434, 12.5708**.

A 20% lighter version of the original color is **48.4141, 33.9388, 9.4680**, and **9.3601, 4.8253, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **22.9492, 13.2515, 1.3482**, and if you desaturate by 10%, it is **24.8467, 16.4790, 3.7305**.

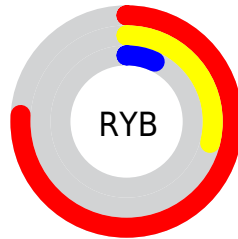
Distribution



Red (76%)

Green (24%)

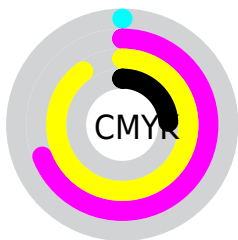
Blue (7%)



Red (76%)

Yellow (29%)

Blue (7%)

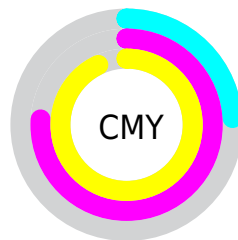


Cyan (0%)

Magenta (69%)

Yellow (90%)

Black (24%)



Cyan (24%)


Magenta (76%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7257, 14.6162, 2.1868 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 23.7257, 14.6162, 2.1868 by changing the saturation by 10% instead.


 23.7257, 14.6162,
2.1868


 23.7257, 14.6162,
2.1868


263.8970,
221.0313, 125.2131


 15.2539, 8.5505,
0.6667


 49.0402, 34.1785,
9.5455


 9.0852, 4.4492,
0.0000


 66.6135, 48.4438,
16.2507


 4.8544, 1.9279,
0.0000

 87.9514, 66.2111,
25.5313

 2.1960, 0.5650,
0.0000

 113.4193, 87.8648,
37.8058


 0.7406, 0.0000,
0.0000


 143.3824,
113.7893, 53.4926


 0.0000, 0.0000,
0.0000


 178.2062,


144.3689, 73.0105


 218.2560,
179.9881, 96.7778


 23.7257, 14.6162,
2.1868


 23.7257, 14.6162,
2.1868


 22.9492, 13.2515,
1.3482

 24.8467, 16.4790,
3.7305

 26.3608, 18.8690,
6.2027

 28.3050, 21.8255,
9.7238

 30.7112, 25.3827,
14.3956

 33.6083, 29.5722,
20.3078

■ 37.0224, 34.4234,
27.5412

■ 40.9781, 39.9636,
36.1698

■ 45.4981, 46.2186,
46.2617

■ 50.6037, 53.2129,
57.8811

Harmonies

Analogous

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



28.1847, 14.6162, 8.9366



23.7257, 14.6162, 2.1868



17.1311, 14.6162, 0.5515

Triad

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



23.7257, 14.6162, 2.1868



5.5091, 14.6162, 8.7465



17.0184, 14.6162, 73.4384

Complementary

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



23.7257, 14.6162, 2.1868



21.1209, 26.4422, 54.4423

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.



11.0898, 14.6162, 73.2298



23.7257, 14.6162, 2.1868



5.4950, 14.6162, 25.8166

Square

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



23.7257, 14.6162, 2.1868



7.2852, 14.6162, 2.1324



7.2386, 14.6162, 52.0084



23.6232, 14.6162, 52.4630

Rectangle

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



23.7257, 14.6162, 2.1868



12.9654, 14.6162, 0.3904



7.2386, 14.6162, 52.0084



14.8623, 14.6162, 76.1558

Sweetspot

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



23.7260, 14.6171, 2.1870



68.1456, 64.2394, 53.2955



27.9253, 14.0833, 31.1242



14.1259, 13.0864, 10.3687



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.



23.7260, 14.6171, 2.1870



40.9472, 23.4229, 2.3629



32.4812, 32.1275, 5.1054



10.2616, 10.4547, 10.5390



15.3162, 8.9182, 0.9141



0.7168, 0.4954, 0.0578

Inverse Universe

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



21.1209, 26.4422, 54.4423



35.8711, 44.1588, 96.9932



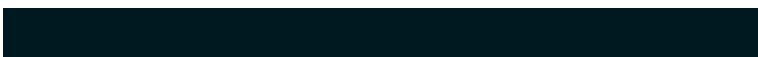
11.8075, 7.8154, 51.3378



10.1608, 11.0130, 12.8750



13.4588, 16.6742, 36.0657



0.6315, 0.8204, 1.5750

Previews

White Background



This preview shows how the XYZ color 23.7257, 14.6162, 2.1868 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 23.7257, 14.6162, 2.1868 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 23.7257, 14.6162, 2.1868

Background



This preview shows how black text looks on a background with the XYZ color 23.7257, 14.6162, 2.1868.



This preview shows how white text looks on a background with the XYZ color 23.7257, 14.6162,

2.1868.

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

23.7257, 14.6162, 2.1868

Protanopia

13.4950, 14.8890, 3.4589

Deuteranopia

14.9047, 14.7370, 2.0590



Tritanopia

24.4517, 14.6134, 5.6696

Trichromacy



Original Color

23.7257, 14.6162, 2.1868

Protanomaly

15.9715, 13.7643, 2.8519

Deuteranomaly

17.3512, 13.9998, 1.9887

Tritanomaly

24.1659, 14.5774, 3.9229

Monochromacy



Original Color

23.7257, 14.6162, 2.1868

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

13.3905, 11.2651, 6.7788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7257, 14.6162, 2.1868 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(193, 60, 19)` looks like.

```
.text, #text, p{  
    color:rgb(193, 60, 19)  
}
```

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(193, 60, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 60, 19) }
```

Border

The CSS property to change the border of an element to XYZ 23.7257, 14.6162, 2.1868 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(193, 60, 19) }
```


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

```
.border{ border-color:rgb(193, 60, 19) }
```

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

Here you see how a box with a 4 pixel rgb(193, 60, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 60, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 60, 19);  
box-shadow:4px 4px 4px 4px rgb(193, 60,  
19) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7257, 14.6162, 2.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 60, 19) }
```

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

```
.background{ background-color: rgb(193, 60,  
19) }
```

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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