

Converting Colors

XYZ(23.7611, 15.2313, 1.7565)

Have a look what the booklet for
XYZ(23.7611, 15.2313, 1.7565)
contains.

XYZ(23.7563, 15.2252, 1.7441)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.7563, 15.2252,
1.7441)**

Conversions

Conversions Part 1

Format	Color
Hex	C04302
RGB	192, 67, 2
RGB Percent	75%, 26%, 1%
CMY	0.2471, 0.7372, 0.9921
CMYK	0.00, 0.65, 0.99, 0.25
HSL	21°, 98%, 38%
HSV	21°, 99%, 75%
XYZ	23.7563, 15.2252, 1.7441
YIQ	96.9650, 95.3650, 6.2850

Conversions

Conversions Part 2

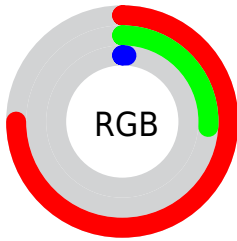
Format	Color
R_{YB}	192, 101, 2
Decimal	12600066
CIE Lab	45.94, 47.97, 56.38
CIE LCh	46, 74.024, 49.608
Yxy	15.2252, 0.5833, 0.3738
Android (android.graphics.Color)	4290790146 (0xFFC04302)
YUV	96.9650, -46.8177, 83.3457
Hunter-Lab	39.0195, 40.3924, 24.6635

Details

The XYZ color **23.7563, 15.2252, 1.7441** 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 **17.1279, 18.9956, 52.6324**, and the grayscale version is **11.4496, 12.0459, 13.1179**.

A 20% lighter version of the original color is **48.7459, 35.0087, 8.3258**, and **9.2276, 4.7892, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **23.6682, 15.0668, 1.6607**, and if you desaturate by 10%, it is **24.7176, 16.9459, 2.6875**.

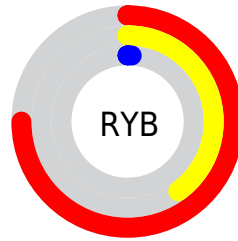
Distribution



Red (75%)

Green (26%)

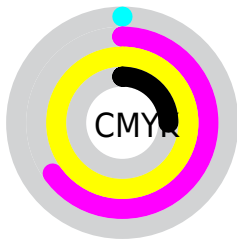
Blue (1%)



Red (75%)

Yellow (40%)

Blue (1%)

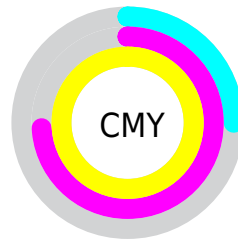


Cyan (0%)

Magenta (65%)

Yellow (99%)

Black (25%)



Cyan (25%)

Magenta (74%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7563, 15.2252, 1.7441 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 23.7563, 15.2252, 1.7441 by changing the saturation by 10% instead.

■ 23.7563, 15.2252,
1.7441

■ 23.7563, 15.2252,
1.7441

■ 264.0495,
224.7253, 118.2674

■ 15.2767, 8.9776,
0.3907

■ 49.0898, 35.2478,
8.3286

■ 9.1014, 4.7266,
0.0000

■ 66.6744, 49.7915,
14.5030

■ 4.8650, 2.0877,
0.0000

■ 88.0247, 67.8694,
23.1569

■ 2.2022, 0.6577,
0.0000

■ 113.5061, 89.8659,
34.7088


■ 0.7439, 0.0000,
0.0000


■ 143.4839,
116.1653, 49.5772


■ 0.0000, 0.0000,
0.0000


■ 178.3235,


147.1521, 68.1808


 218.3903,
183.2106, 90.9380


 23.7563, 15.2252,
1.7441


 23.7563, 15.2252,
1.7441


 23.6682, 15.0668,
1.6607

 24.7176, 16.9459,
2.6875

 25.9785, 19.0635,
4.3540

 27.5846, 21.6114,
6.9377

 29.5655, 24.6149,
10.5524

 31.9470, 28.0968,
15.2953

■ 34.7523, 32.0785,
21.2522

■ 38.0027, 36.5796,
28.5004

■ 41.7179, 41.6188,
37.1107

■ 45.9165, 47.2139,
47.1488

Harmonies

Analogous

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



29.0290, 15.2252, 7.4916



23.7563, 15.2252, 1.7441



16.7527, 15.2252, 0.4474

Triad

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



23.7563, 15.2252, 1.7441



5.5670, 15.2252, 11.1046



18.8979, 15.2252, 74.8688

Complementary

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



23.7563, 15.2252, 1.7441



17.1279, 18.9956, 52.6324

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.



12.4067, 15.2252, 78.8545



23.7563, 15.2252, 1.7441



5.8360, 15.2252, 31.0455

Square

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



23.7563, 15.2252, 1.7441



7.1032, 15.2252, 2.7707



7.9886, 15.2252, 59.1323



25.7107, 15.2252, 50.4518

Rectangle

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



23.7563, 15.2252, 1.7441



12.5536, 15.2252, 0.4351



7.9886, 15.2252, 59.1323



16.5745, 15.2252, 79.0863

Sweetspot

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



23.7566, 15.2261, 1.7443



67.9085, 64.9759, 49.4838



25.7001, 12.8260, 21.7741



14.0215, 13.1840, 9.3890



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.



23.7566, 15.2261, 1.7443



42.6766, 26.8818, 2.9394



34.3776, 36.4679, 5.2846



10.3486, 10.6287, 10.5680



15.9920, 10.2698, 1.1394



0.7556, 0.5731, 0.0708

Inverse Universe

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



17.1279, 18.9956, 52.6324



30.5865, 33.5896, 95.2316



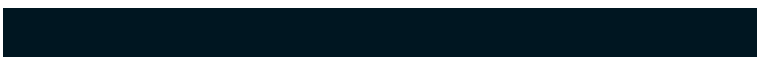
10.1020, 4.9439, 50.2904



10.0690, 10.8293, 12.8444



11.5238, 12.8041, 35.4207



0.5599, 0.6772, 1.5511

Previews

White Background



This preview shows how the XYZ color 23.7563, 15.2252, 1.7441 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 23.7563, 15.2252, 1.7441 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 23.7563, 15.2252, 1.7441

Background



This preview shows how black text looks on a background with the XYZ color 23.7563, 15.2252, 1.7441.



This preview shows how white text looks on a background with the XYZ color 23.7563, 15.2252,

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

23.7563, 15.2252, 1.7441

Protanopia

13.8706, 15.4133, 2.9058

Deuteranopia

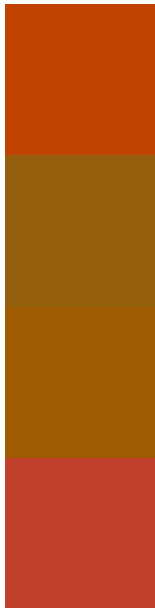
15.4315, 15.3039, 2.1406



Tritanopia

24.6983, 15.1761, 6.7818

Trichromacy



Original Color

23.7563, 15.2252, 1.7441

Protanomaly

16.2881, 14.3304, 2.2883

Deuteranomaly

17.8471, 14.7535, 1.9358

Tritanomaly

24.2618, 15.1787, 3.9365

Monochromacy



Original Color

23.7563, 15.2252, 1.7441

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.7130, 11.9089, 6.1333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7563, 15.2252, 1.7441 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(192, 67, 2)` looks like.

```
.text, #text, p{  
    color:rgb(192, 67, 2)  
}
```

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(192, 67, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 67, 2) }
```

Border

The CSS property to change the border of an element to XYZ 23.7563, 15.2252, 1.7441 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(192, 67, 2) }
```


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

```
.border{ border-color:rgb(192, 67, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 67, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 67, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 67, 2);  
box-shadow:4px 4px 4px 4px rgb(192, 67, 2)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.7563, 15.2252, 1.7441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 67, 2) }
```

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

```
.background{ background-color: rgb(192, 67,  
2) }
```

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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