

Converting Colors

XYZ(23.4081, 12.0005, 4.1153)

Have a look what the booklet for
XYZ(23.4081, 12.0005, 4.1153)
contains.

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Color

**XYZ(23.3407, 11.9661,
4.0971)**

Conversions

Conversions Part 1

Format	Color
Hex	C40032
RGB	196, 0, 50
RGB Percent	77%, 0%, 20%
CMY	0.2314, 0.9998, 0.8039
CMYK	0.00, 1.00, 0.74, 0.23
HSL	345°, 100%, 38%
HSV	345°, 100%, 77%
XYZ	23.3407, 11.9661, 4.0971
YIQ	64.3040, 100.7660, 57.1020

Conversions

Conversions Part 2

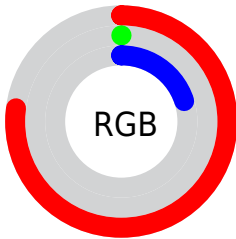
Format	Color
R_YB	196, 0, 50
Decimal	12845106
CIE Lab	41.16, 66.72, 31.54
CIE LCh	41, 73.797, 25.298
Yxy	11.9661, 0.5923, 0.3037
Android (android.graphics.Color)	4291035186 (0xFFC40032)
YUV	64.3040, -7.0519, 115.4974
Hunter-Lab	34.5921, 59.9053, 17.1921

Details

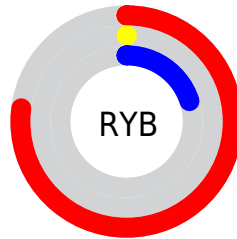
The XYZ color **23.3407, 11.9661, 4.0971** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **24.9317, 41.5564, 33.9176**, and the grayscale version is **4.9218, 5.1782, 5.6390**.

A 20% lighter version of the original color is **46.5216, 28.4452, 14.1048**, and **9.7057, 4.9997, 0.6258** is the 20% darker color. If you saturate the color by 10%, you get **23.3399, 11.9657, 4.0937**, and if you desaturate by 10%, it is **23.9513, 12.6005, 6.1107**.

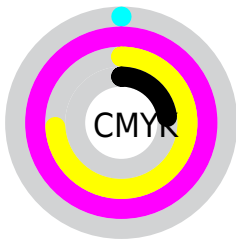
Distribution



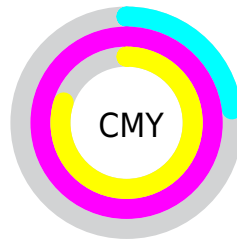
- Red (77%)
- Green (0%)
- Blue (20%)



- Red (77%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (23%)





- Cyan (23%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3407, 11.9661, 4.0971 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 23.3407, 11.9661, 4.0971 by changing the saturation by 10% instead.


 23.3407, 11.9661,
4.0971


 23.3407, 11.9661,
4.0971


261.9729,
204.1807, 149.2986


 14.9674, 6.7206,
1.6788


 48.4147, 29.4333,
14.2331


 8.8826, 3.2880,
0.3461


 65.8461, 42.4239,
22.7878


 4.7212, 1.2839,
0.0000

 87.0275, 58.7649,
34.2251

 2.1177, 0.1287,
0.0000

 112.3243, 78.8408,
48.9635

 0.6988, 0.0000,
0.0000

 142.1019,
103.0359, 67.4215

 0.0000, 0.0000,
0.0000

 176.7257,

131.7347, 90.0176

216.5609,
165.3215, 117.1705

■ 23.3407, 11.9661,
4.0971

■ 23.3407, 11.9661,
4.0971

■ 23.3399, 11.9657,
4.0937

■ 23.9513, 12.6005,
6.1107

■ 24.9170, 13.7701,
8.7812

■ 26.3324, 15.6520,
12.1781

■ 28.2493, 18.3388,
16.3534

■ 30.7124, 21.9091,
21.3540

■ 33.7608, 26.4319,
27.2225

■ 37.4303, 31.9696,
33.9987

■ 41.7535, 38.5791,
41.7198

■ 46.7609, 46.3130,
50.4208

Harmonies

Analogous

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



24.9015, 11.9661, 15.5784



23.3407, 11.9661, 4.0971



18.2399, 11.9661, 0.7200

Triad

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



23.3407, 11.9661, 4.0971



4.8707, 11.9661, 2.4603



10.5561, 11.9661, 69.3821

Complementary

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



23.3407, 11.9661, 4.0971



24.9317, 41.5564, 33.9176

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.



6.4910, 11.9661, 54.9433



23.3407, 11.9661, 4.0971



3.9261, 11.9661, 10.7742

Square

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



23.3407, 11.9661, 4.0971



7.5414, 11.9661, 0.2971



4.4101, 11.9661, 29.9651



16.3234, 11.9661, 61.4462

Rectangle

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



23.3407, 11.9661, 4.0971



14.1692, 11.9661, 0.0000



4.4101, 11.9661, 29.9651



8.9720, 11.9661, 66.7932

Sweetspot

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



23.3410, 11.9669, 4.0973



67.4535, 57.3775, 60.9480



21.4211, 9.8926, 53.0047



13.8035, 11.3206, 11.8838



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.



23.3410, 11.9669, 4.0973



42.1945, 21.6418, 6.9562



23.7328, 13.6714, 1.3892



10.1762, 10.1191, 11.0185



15.0270, 7.7006, 2.7883



0.6783, 0.3443, 0.2734

Inverse Universe

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



23.3410, 11.9669, 4.0973



42.1945, 21.6418, 6.9562



20.9146, 25.8866, 56.1185



10.1762, 10.1191, 11.0185



15.0270, 7.7006, 2.7883



0.6783, 0.3443, 0.2734

Previews

White Background



This preview shows how the XYZ color 23.3407, 11.9661, 4.0971 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 23.3407, 11.9661, 4.0971

Background



This preview shows how black text looks on a background with the XYZ color 23.3407, 11.9661, 4.0971.



This preview shows how white text looks on a background with the XYZ color 23.3407, 11.9661,

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

23.3407, 11.9661, 4.0971

Protanopia

11.7952, 12.5575, 8.4588

Deuteranopia

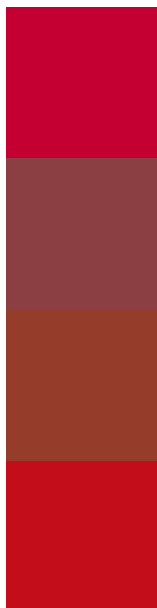
12.7706, 12.6160, 3.6815



Tritanopia

22.8531, 12.1701, 1.5600

Trichromacy



Original Color

23.3407, 11.9661, 4.0971

Protanomaly

13.4083, 9.4373, 6.2691

Deuteranomaly

14.6296, 9.8902, 3.4234

Tritanomaly

22.8474, 11.9691, 2.1430

Monochromacy



Original Color

23.3407, 11.9661, 4.0971

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

8.2644, 5.3464, 4.7340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3407, 11.9661, 4.0971 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(196, 0, 50)` looks like.

```
.text, #text, p{  
    color:rgb(196, 0, 50)  
}
```

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(196, 0, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 0, 50) }
```

Border

The CSS property to change the border of an element to XYZ 23.3407, 11.9661, 4.0971 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(196, 0, 50) }
```


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

```
.border{ border-color:rgb(196, 0, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 0, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 0, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 0, 50);  
box-shadow:4px 4px 4px 4px rgb(196, 0, 50)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.3407, 11.9661, 4.0971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 0, 50) }
```

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

```
.background{ background-color: rgb(196, 0,  
50) }
```

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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