

Converting Colors

XYZ(20.4316, 5.4958, 6.6680)

Have a look what the booklet for
XYZ(20.4316, 5.4958, 6.6680)
contains.

XYZ(23.7757, 12.1101, 7.7410)	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(23.7757, 12.1101,
7.7410)**

Conversions

Conversions Part 1

Format	Color
Hex	C3004B
RGB	195, 0, 75
RGB Percent	76%, 0%, 29%
CMY	0.2353, 0.9999, 0.7059
CMYK	0.00, 1.00, 0.62, 0.24
HSL	337°, 100%, 38%
HSV	337°, 100%, 76%
XYZ	23.7757, 12.1101, 7.7410
YIQ	66.8550, 92.1450, 64.6650

Conversions

Conversions Part 2

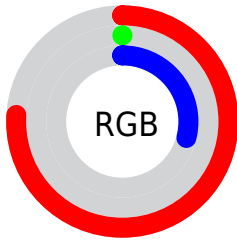
Format	Color
RYB	195, 0, 75
Decimal	12779595
CIELab	41.39, 67.67, 16.10
CIELCh	41, 69.557, 13.380
Yxy	12.1101, 0.5450, 0.2776
Android (android.graphics.Color)	4290969675 (0xFFC3004B)
YUV	66.8550, 4.0155, 112.3832
Hunter-Lab	34.7996, 61.0552, 11.1709

Details

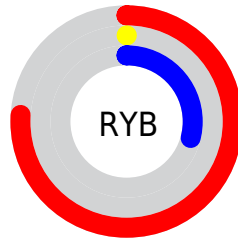
The XYZ color **23.7757, 12.1101, 7.7410** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **22.9078, 40.3872, 24.3688**, and the grayscale version is **5.2990, 5.5749, 6.0711**.

A 20% lighter version of the original color is **48.0637, 29.1871, 21.8393**, and **9.9336, 5.0908, 1.8256** is the 20% darker color. If you saturate the color by 10%, you get **23.7748, 12.1098, 7.7370**, and if you desaturate by 10%, it is **24.4680, 12.7743, 10.1935**.

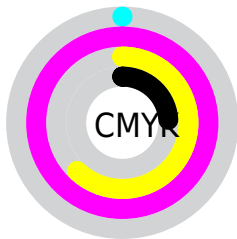
Distribution



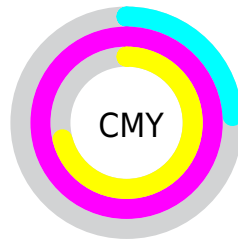
- Red (76%)
- Green (0%)
- Blue (29%)



- Red (76%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (62%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7757, 12.1101, 7.7410 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 23.7757, 12.1101, 7.7410 by changing the saturation by 10% instead.


 23.7757, 12.1101,
7.7410


 23.7757, 12.1101,
7.7410


264.1461,
205.1328, 183.5443


 15.2912, 6.8187,
3.8443


 49.1213, 29.6955,
21.9868


 9.1116, 3.3490,
1.5403


 66.7130, 42.7582,
33.1730

 4.8718, 1.3165,
0.2477

 88.0712, 59.1803,
47.6262

 2.2062, 0.1539,
0.0000

 113.5611, 79.3459,
65.7647

 0.7460, 0.0000,
0.0000

 143.5483,
103.6396, 88.0073

 0.0000, 0.0000,
0.0000

 178.3979,

132.4457, 114.7724

218.4754,
166.1487, 146.4785

■ 23.7757, 12.1101,
7.7410

■ 23.7757, 12.1101,
7.7410

■ 23.7748, 12.1098,
7.7370

■ 24.4680, 12.7743,
10.1935

■ 25.4847, 13.9564,
13.1562

■ 26.9154, 15.8304,
16.6779

■ 28.8083, 18.4863,
20.7917

■ 31.2039, 22.0004,
25.5277

■ 34.1386, 26.4400,
30.9134

■ 37.6448, 31.8655,
36.9745

■ 41.7525, 38.3320,
43.7351

■ 46.4894, 45.8908,
51.2181

Harmonies

Analogous

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



23.5460, 12.1101, 22.8456



23.7757, 12.1101, 7.7410



20.1077, 12.1101, 1.8241

Triad

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



23.7757, 12.1101, 7.7410



6.0465, 12.1101, 1.5426



8.9505, 12.1101, 61.8091

Complementary

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



23.7757, 12.1101, 7.7410



22.9078, 40.3872, 24.3688

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.



5.7973, 12.1101, 42.9900



23.7757, 12.1101, 7.7410



4.4881, 12.1101, 6.7244

Square

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



23.7757, 12.1101, 7.7410



9.4065, 12.1101, 0.2583



4.4127, 12.1101, 20.7242



13.9065, 12.1101, 62.9558

Rectangle

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



23.7757, 12.1101, 7.7410



16.4319, 12.1101, 0.6418



4.4127, 12.1101, 20.7242



7.6849, 12.1101, 56.9407

Sweetspot

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



23.7760, 12.1108, 7.7412



67.0945, 56.5596, 65.6685



17.1887, 7.7238, 52.2144



14.0783, 11.4306, 13.3311



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.



23.7760, 12.1108, 7.7412



42.4689, 21.6439, 13.2652



22.7478, 12.0861, 1.1350



10.2299, 10.1406, 11.3012



15.4907, 7.8860, 5.2302



0.7030, 0.3542, 0.4036

Inverse Universe

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



23.7760, 12.1108, 7.7412



42.4689, 21.6439, 13.2652



25.2789, 34.7966, 57.0136



10.2299, 10.1406, 11.3012



15.4907, 7.8860, 5.2302



0.7030, 0.3542, 0.4036

Previews

White Background



This preview shows how the XYZ color 23.7757, 12.1101, 7.7410 looks on a white background.

Color Contrast Check

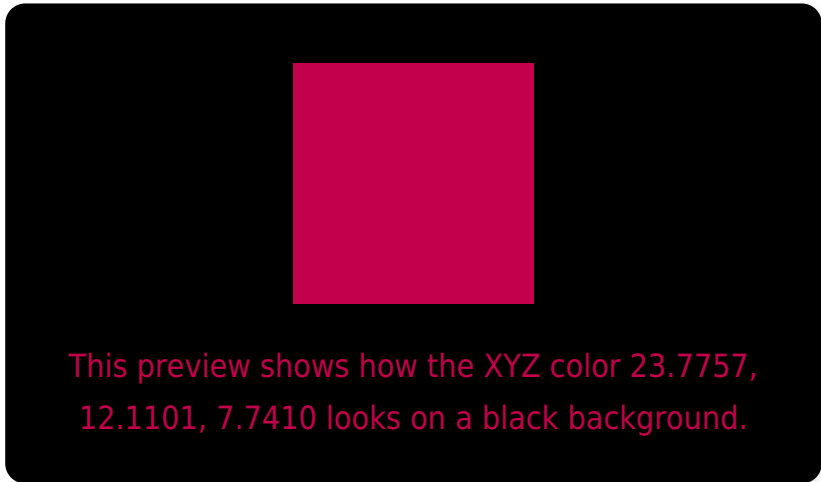
Large Text (above 18pt) WCAG AA ✓ Pass

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

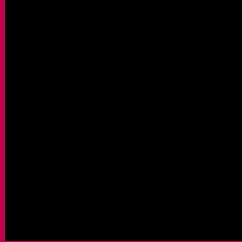
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7757, 12.1101, 7.7410

Background



This preview shows how black text looks on a background with the XYZ color 23.7757, 12.1101, 7.7410.



This preview shows how white text looks on a background with the XYZ color 23.7757, 12.1101,

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

23.7757, 12.1101, 7.7410

Protanopia

12.4219, 12.7021, 16.5489

Deuteranopia

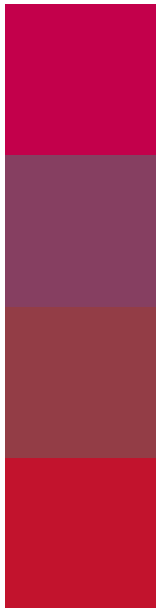
12.9417, 12.7641, 7.0918



Tritanopia

22.6662, 12.3498, 2.2877

Trichromacy



Original Color

23.7757, 12.1101, 7.7410

Protanomaly

13.7667, 9.4864, 12.4147

Deuteranomaly

14.8069, 9.9827, 6.9408

Tritanomaly

22.9547, 12.1245, 3.6130

Monochromacy



Original Color

23.7757, 12.1101, 7.7410

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

8.9088, 5.7474, 6.4342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7757, 12.1101, 7.7410 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(195, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(195, 0, 75)  
}
```

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(195, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 75) }
```

Border

The CSS property to change the border of an element to XYZ 23.7757, 12.1101, 7.7410 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(195, 0, 75) }
```


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

```
.border{ border-color:rgb(195, 0, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 0, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(195, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.7757, 12.1101, 7.7410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 75) }
```

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

```
.background{ background-color: rgb(195, 0,  
75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor