

Converting Colors

XYZ(22.8701, 11.6373, 7.9665)

Have a look what the booklet for
XYZ(22.8701, 11.6373, 7.9665)
contains.

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Color

**XYZ(22.7904, 11.5982,
7.8750)**

Conversions

Conversions Part 1

Format	Color
Hex	BF004C
RGB	191, 0, 76
RGB Percent	75%, 0%, 30%
CMY	0.2510, 0.9999, 0.7020
CMYK	0.00, 1.00, 0.60, 0.25
HSL	336°, 100%, 37%
HSV	336°, 100%, 75%
XYZ	22.7904, 11.5982, 7.8750
YIQ	65.7730, 89.4400, 64.1280

Conversions

Conversions Part 2

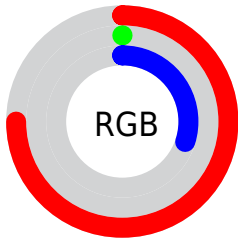
Format	Color
R_{YB}	191, 0, 76
Decimal	12517452
CIE Lab	40.57, 66.79, 14.21
CIE LCh	41, 68.285, 12.008
Yxy	11.5982, 0.5392, 0.2744
Android (android.graphics.Color)	4290707532 (0xFFBF004C)
YUV	65.7730, 5.0419, 109.8241
Hunter-Lab	34.0561, 59.8542, 10.1293

Details

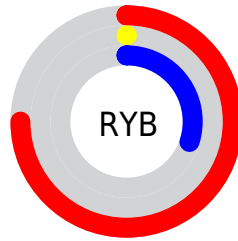
The XYZ color **22.7904, 11.5982, 7.8750** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.7277, 38.5003, 22.5165**, and the grayscale version is **5.1290, 5.3961, 5.8763**.

A 20% lighter version of the original color is **47.6815, 28.8667, 22.1275**, and **9.4804, 4.8556, 1.8764** is the 20% darker color. If you saturate the color by 10%, you get **22.7895, 11.5978, 7.8710**, and if you desaturate by 10%, it is **23.4619, 12.2430, 10.2514**.

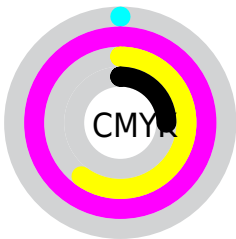
Distribution



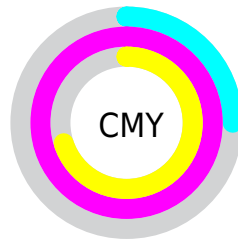
- Red (75%)
- Green (0%)
- Blue (30%)



- Red (75%)
- Yellow (0%)
- Blue (30%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (25%)



- Cyan (25%)
- Magenta (100%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7904, 11.5982, 7.8750 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 22.7904, 11.5982, 7.8750 by changing the saturation by 10% instead.

■ 22.7904, 11.5982,
7.8750

■ 22.7904, 11.5982,
7.8750

259.2021,
201.7268, 184.6461

■ 14.5587, 6.4707,
3.9284

■ 47.5181, 28.7612,
22.2551

■ 8.5945, 3.1334,
1.5862

■ 64.7448, 41.5654,
33.5258

■ 4.5326, 1.2017,
0.2809

■ 85.7006, 57.6974,
48.0749

■ 2.0077, 0.0631,
0.0000

■ 110.7507, 77.5415,
66.3210

■ 0.6383, 0.0000,
0.0000

■ 140.2605,
101.4821, 88.6826

■ 0.0000, 0.0000,
0.0000

■ 174.5955,

129.9036, 115.5783

214.1209,
163.1903, 147.4266

■ 22.7904, 11.5982,
7.8750

■ 22.7904, 11.5982,
7.8750

■ 22.7895, 11.5978,
7.8710

■ 23.4619, 12.2430,
10.2514

■ 24.4388, 13.3786,
13.0998

■ 25.8077, 15.1728,
16.4653

■ 27.6138, 17.7108,
20.3784

■ 29.8955, 21.0652,
24.8662

■ 32.6869, 25.2997,
29.9539

■ 36.0189, 30.4714,
35.6648

■ 39.9196, 36.6329,
42.0211

■ 44.4154, 43.8327,
49.0433

Harmonies

Analogous

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



22.3867, 11.5982, 22.7208



22.7904, 11.5982, 7.8750



19.4368, 11.5982, 1.8957

Triad

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



22.7904, 11.5982, 7.8750



5.9147, 11.5982, 1.3947



8.4033, 11.5982, 58.3818

Complementary

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



22.7904, 11.5982, 7.8750



21.7277, 38.5003, 22.5165

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.



5.4747, 11.5982, 39.9949



22.7904, 11.5982, 7.8750



4.3531, 11.5982, 6.0796

Square

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



22.7904, 11.5982, 7.8750



9.2070, 11.5982, 0.2208



4.2198, 11.5982, 18.9894



13.0650, 11.5982, 60.3933

Rectangle

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



22.7904, 11.5982, 7.8750



15.9670, 11.5982, 0.6748



4.2198, 11.5982, 18.9894



7.2232, 11.5982, 53.5121

Sweetspot

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



22.7907, 11.5989, 7.8752



64.1921, 54.0764, 63.3443



16.4239, 7.3811, 49.8491



13.5145, 10.9681, 12.9258



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.



22.7907, 11.5989, 7.8752



40.7046, 20.7272, 13.5086



21.7211, 11.5466, 1.0849



9.6831, 9.5976, 10.7205



15.0144, 7.6369, 5.3694



0.6205, 0.3121, 0.3809

Inverse Universe

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



22.7907, 11.5989, 7.8752



40.7046, 20.7272, 13.5086



24.1385, 33.2301, 54.4318



9.6831, 9.5976, 10.7205



15.0144, 7.6369, 5.3694



0.6205, 0.3121, 0.3809

Previews

White Background



This preview shows how the XYZ color 22.7904, 11.5982, 7.8750 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 22.7904, 11.5982, 7.8750 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 22.7904, 11.5982, 7.8750

Background



This preview shows how black text looks on a background with the XYZ color 22.7904, 11.5982, 7.8750.



This preview shows how white text looks on a background with the XYZ color 22.7904, 11.5982,

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

22.7904, 11.5982, 7.8750

Protanopia

11.9678, 12.1839, 16.7599

Deuteranopia

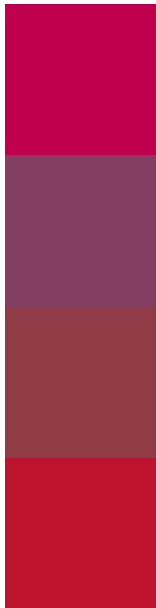
12.3822, 12.2047, 7.1720



Tritanopia

21.6723, 11.8361, 2.3047

Trichromacy



Original Color

22.7904, 11.5982, 7.8750

Protanomaly

13.2873, 9.1524, 12.6215

Deuteranomaly

14.2548, 9.6159, 7.0660

Tritanomaly

21.9612, 11.6102, 3.6683

Monochromacy



Original Color

22.7904, 11.5982, 7.8750

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

8.4890, 5.4776, 6.4042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7904, 11.5982, 7.8750 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, 0, 76)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 76)  
}
```

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, 0, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 76) }
```

Border

The CSS property to change the border of an element to XYZ 22.7904, 11.5982, 7.8750 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, 0, 76) }
```


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

```
.border{ border-color:rgb(191, 0, 76) }
```

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

Here you see how a box with a 4 pixel rgb(191, 0, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 76);  
box-shadow:4px 4px 4px 4px rgb(191, 0, 76)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.7904, 11.5982, 7.8750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 76) }
```

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

```
.background{ background-color: rgb(191, 0,  
76) }
```

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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