

Converting Colors

XYZ(22.2556, 11.3265, 7.6664)

Have a look what the booklet for
XYZ(22.2556, 11.3265, 7.6664)
contains.

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Color

**XYZ(22.2563, 11.3268,
7.6699)**

Conversions

Conversions Part 1

Format	Color
Hex	BD004B
RGB	189, 0, 75
RGB Percent	74%, 0%, 29%
CMY	0.2588, 0.9999, 0.7059
CMYK	0.00, 1.00, 0.60, 0.26
HSL	336°, 100%, 37%
HSV	336°, 100%, 74%
XYZ	22.2563, 11.3268, 7.6699
YIQ	65.0610, 88.5690, 63.3930

Conversions

Conversions Part 2

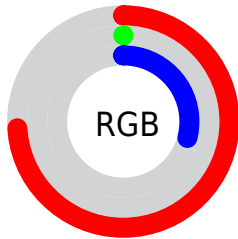
Format	Color
RYB	189, 0, 75
Decimal	12386379
CIELab	40.13, 66.26, 14.17
CIELCh	40, 67.760, 12.070
Yxy	11.3268, 0.5395, 0.2746
Android (android.graphics.Color)	4290576459 (0xFFBD004B)
YUV	65.0610, 4.8999, 108.6945
Hunter-Lab	33.6553, 59.1455, 10.0468

Details

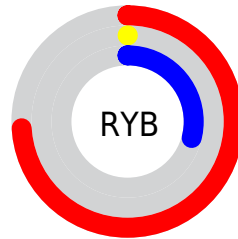
The XYZ color **22.2563, 11.3268, 7.6699** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.2370, 37.6109, 22.0694**, and the grayscale version is **5.0197, 5.2811, 5.7511**.

A 20% lighter version of the original color is **46.4521, 28.1258, 21.7194**, and **9.1628, 4.6935, 1.7895** is the 20% darker color. If you saturate the color by 10%, you get **22.2556, 11.3265, 7.6664**, and if you desaturate by 10%, it is **22.9139, 11.9606, 9.9903**.

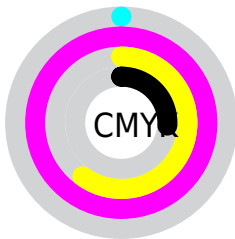
Distribution



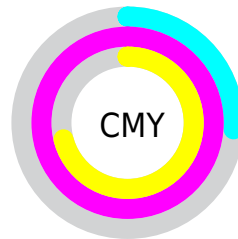
- Red (74%)
- Green (0%)
- Blue (29%)



- Red (74%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (26%)





- Cyan (26%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2563, 11.3268, 7.6699 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 22.2563, 11.3268, 7.6699 by changing the saturation by 10% instead.


 22.2563, 11.3268,
7.6699


 22.2563, 11.3268,
7.6699


256.4891,
199.8961, 182.9563


 14.1630, 6.2871,
3.7997


 46.6449, 28.2629,
21.8441


 8.3166, 3.0204,
1.5161


 63.6710, 40.9281,
32.9852

 4.3517, 1.1424,
0.2299

 84.4054, 56.9039,
47.3871

 1.9030, 0.0139,
0.0000

 109.2134, 76.5747,
65.4682

 0.5786, 0.0000,
0.0000

 138.4604,
100.3250, 87.6472

 0.0000, 0.0000,
0.0000

 172.5118,

128.5390, 114.3425

211.7329,
161.6012, 145.9727

■ 22.2563, 11.3268,
7.6699

■ 22.2563, 11.3268,
7.6699

■ 22.2556, 11.3265,
7.6664

■ 22.9139, 11.9606,
9.9903

■ 23.8693, 13.0725,
12.7720

■ 25.2076, 14.8272,
16.0596

■ 26.9726, 17.3080,
19.8825

■ 29.2019, 20.5854,
24.2676

■ 31.9289, 24.7214,
29.2393

■ 35.1834, 29.7719,
34.8205

■ 38.9930, 35.7879,
41.0328

■ 43.3832, 42.8168,
47.8963

Harmonies

Analogous

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



21.8702, 11.3268, 22.1516



22.2563, 11.3268, 7.6699



18.9741, 11.3268, 1.8446

Triad

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



22.2563, 11.3268, 7.6699



5.7708, 11.3268, 1.3656



8.2141, 11.3268, 57.0519

Complementary

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



22.2563, 11.3268, 7.6699



21.2370, 37.6109, 22.0694

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.



5.3500, 11.3268, 39.1109



22.2563, 11.3268, 7.6699



4.2488, 11.3268, 5.9530

Square

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



22.2563, 11.3268, 7.6699



8.9827, 11.3268, 0.2041



4.1213, 11.3268, 18.5826



12.7704, 11.3268, 58.9761

Rectangle

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



22.2563, 11.3268, 7.6699



15.5832, 11.3268, 0.6512



4.1213, 11.3268, 18.5826



7.0602, 11.3268, 52.3051

Sweetspot

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



22.2566, 11.3275, 7.6701



62.7008, 52.8319, 61.8406



16.0489, 7.2130, 48.6904



12.9340, 10.5046, 12.3682



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.2566, 11.3275, 7.6701



39.7496, 20.2418, 13.1502



21.2181, 11.2822, 1.0603



9.6827, 9.5974, 10.7182



15.0097, 7.6350, 5.3446



0.6203, 0.3120, 0.3799

Inverse Universe

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



22.2566, 11.3275, 7.6701



39.7496, 20.2418, 13.1502



23.5797, 32.4624, 53.1671



9.6827, 9.5974, 10.7182



15.0097, 7.6350, 5.3446



0.6203, 0.3120, 0.3799

Previews

White Background



This preview shows how the XYZ color 22.2563, 11.3268, 7.6699 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 22.2563, 11.3268, 7.6699 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 22.2563, 11.3268, 7.6699

Background



This preview shows how black text looks on a background with the XYZ color 22.2563, 11.3268, 7.6699.



This preview shows how white text looks on a background with the XYZ color 22.2563, 11.3268,

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

22.2563, 11.3268, 7.6699

Protanopia

11.6625, 11.9028, 16.1508

Deuteranopia

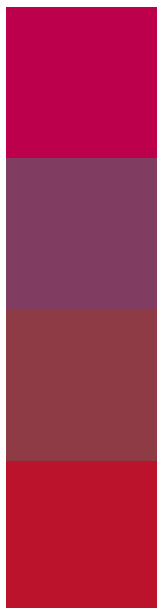
12.1299, 11.9470, 6.9769



Tritanopia

21.1674, 11.5772, 2.2176

Trichromacy



Original Color

22.2563, 11.3268, 7.6699

Protanomaly

12.8797, 8.8677, 12.3421

Deuteranomaly

13.9971, 9.4098, 6.8729

Tritanomaly

21.4456, 11.3466, 3.5424

Monochromacy



Original Color

22.2563, 11.3268, 7.6699

Achromatopsia

5.0244, 5.2861, 5.7565

Achromatomaly

8.2975, 5.3305, 6.2218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2563, 11.3268, 7.6699 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(189, 0, 75)` looks like.

```
.text, #text, p{  
    color:rgb(189, 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(189, 0, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 0, 75) }
```

Border

The CSS property to change the border of an element to XYZ 22.2563, 11.3268, 7.6699 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(189, 0, 75) }
```


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

```
.border{ border-color:rgb(189, 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(189, 0, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(189, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 22.2563, 11.3268, 7.6699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 0, 75) }
```

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

```
.background{ background-color: rgb(189, 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](#).

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