

Converting Colors

XYZ(20.8811, 10.6959, 4.0820)

Have a look what the booklet for
XYZ(20.8811, 10.6959, 4.0820)
contains.

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Color

**XYZ(20.8472, 10.6781,
4.0943)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0033
RGB	186, 0, 51
RGB Percent	73%, 0%, 20%
CMY	0.2706, 0.9999, 0.8000
CMYK	0.00, 1.00, 0.73, 0.27
HSL	344°, 100%, 36%
HSV	344°, 100%, 73%
XYZ	20.8472, 10.6781, 4.0943
YIQ	61.4280, 94.4850, 55.2930

Conversions

Conversions Part 2

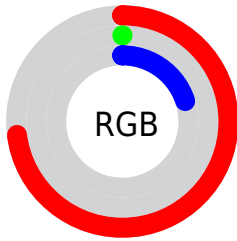
Format	Color
RYB	186, 0, 51
Decimal	12189747
CIELab	39.03, 64.33, 27.88
CIElCh	39, 70.108, 23.433
Yxy	10.6781, 0.5853, 0.2998
Android (android.graphics.Color)	4290379827 (0xFFBA0033)
YUV	61.4280, -5.1410, 109.2496
Hunter-Lab	32.6774, 56.6924, 15.4454

Details

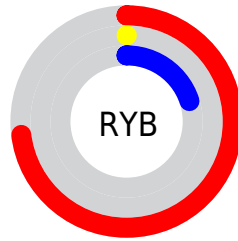
The XYZ color **20.8472, 10.6781, 4.0943** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.9347, 36.8679, 28.8940**, and the grayscale version is **4.4968, 4.7310, 5.1520**.

A 20% lighter version of the original color is **44.2419, 27.0374, 14.1962**, and **8.3505, 4.3004, 0.5910** is the 20% darker color. If you saturate the color by 10%, you get **20.8465, 10.6778, 4.0914**, and if you desaturate by 10%, it is **21.4160, 11.2684, 5.9721**.

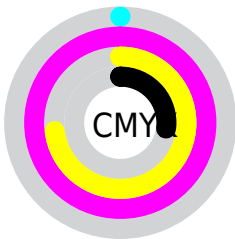
Distribution



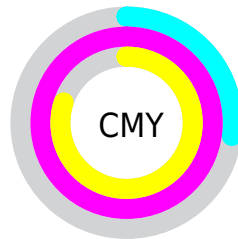
- Red (73%)
- Green (0%)
- Blue (20%)



- Red (73%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8472, 10.6781, 4.0943 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 20.8472, 10.6781, 4.0943 by changing the saturation by 10% instead.


 20.8472, 10.6781,
4.0943


 20.8472, 10.6781,
4.0943


249.2124,
195.4456, 149.2678


 13.1242, 5.8508,
1.6772


 44.3263, 27.0634,
14.2267


 7.5917, 2.7546,
0.3451


 60.8131, 39.3901,
22.7790


 3.8844, 1.0050,
0.0000

 80.9518, 54.9855,
34.2136

 1.6370, 0.0000,
0.0000

 105.1079, 74.2339,
48.9488

 0.4163, 0.0000,
0.0000

 133.6466, 97.5198,
67.4033

 0.0000, 0.0000,
0.0000

 166.9334,

125.2274, 89.9956

205.3335,
157.7412, 117.1443

■ 20.8472, 10.6781,
4.0943

■ 20.8472, 10.6781,
4.0943

■ 20.8465, 10.6778,
4.0914

■ 21.4160, 11.2684,
5.9721

■ 22.2937, 12.3269,
8.4130

■ 23.5660, 14.0154,
11.4759

■ 25.2777, 16.4148,
15.2034

■ 27.4674, 19.5939,
19.6339

■ 30.1692, 23.6131,
24.8027

■ 33.4141, 28.5269,
30.7427

■ 37.2304, 34.3852,
37.4845

■ 41.6444, 41.2342,
45.0571

Harmonies

Analogous

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



21.9706, 10.6781, 14.8302



20.8472, 10.6781, 4.0943



16.5097, 10.6781, 0.7684

Triad

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



20.8472, 10.6781, 4.0943



4.5016, 10.6781, 2.0397



9.1544, 10.6781, 60.6206

Complementary

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



20.8472, 10.6781, 4.0943



21.9347, 36.8679, 28.8940

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.



5.6766, 10.6781, 47.0387



20.8472, 10.6781, 4.0943



3.5774, 10.6781, 8.9212

Square

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



20.8472, 10.6781, 4.0943



6.9747, 10.6781, 0.2078



3.9292, 10.6781, 25.1818



14.1649, 10.6781, 54.9263

Rectangle

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



20.8472, 10.6781, 4.0943



12.9374, 10.6781, 0.0071



3.9292, 10.6781, 25.1818



7.7935, 10.6781, 57.9522

Sweetspot

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



20.8474, 10.6788, 4.0944



60.2379, 51.2074, 55.1340



18.5850, 8.5576, 47.1262



12.6942, 10.4087, 11.1052



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.



20.8474, 10.6788, 4.0944



37.6988, 19.3195, 6.9571



21.0196, 11.9788, 1.2053



9.1030, 9.0516, 9.8900



14.0527, 7.1948, 2.8982



0.5224, 0.2644, 0.2443

Inverse Universe

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



20.8474, 10.6788, 4.0944



37.6988, 19.3195, 6.9571



19.0970, 24.0129, 50.0824



9.1030, 9.0516, 9.8900



14.0527, 7.1948, 2.8982



0.5224, 0.2644, 0.2443

Previews

White Background



This preview shows how the XYZ color 20.8472, 10.6781, 4.0943 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

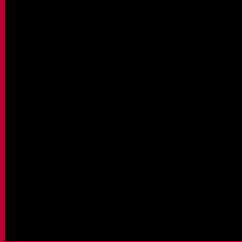
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8472, 10.6781, 4.0943

Background



This preview shows how black text looks on a background with the XYZ color 20.8472, 10.6781, 4.0943.

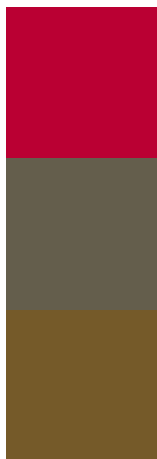


This preview shows how white text looks on a background with the XYZ color 20.8472, 10.6781,

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

20.8472, 10.6781, 4.0943

Protanopia

10.5627, 11.2365, 8.4496

Deuteranopia

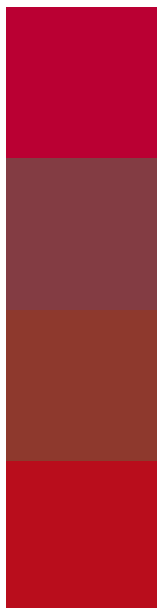
11.3925, 11.2543, 3.6697



Tritanopia

20.3620, 10.8851, 1.4798

Trichromacy



Original Color

20.8472, 10.6781, 4.0943

Protanomaly

11.9891, 8.4623, 6.3117

Deuteranomaly

13.0921, 8.8665, 3.5040

Tritanomaly

20.3611, 10.6860, 2.0881

Monochromacy



Original Color

20.8472, 10.6781, 4.0943

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.4079, 4.8106, 4.4090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8472, 10.6781, 4.0943 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(186, 0, 51)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 51)  
}
```

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(186, 0, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 51) }
```

Border

The CSS property to change the border of an element to XYZ 20.8472, 10.6781, 4.0943 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(186, 0, 51) }
```


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

```
.border{ border-color:rgb(186, 0, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 0, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8472, 10.6781, 4.0943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 51) }
```

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

```
.background{ background-color: rgb(186, 0,  
51) }
```

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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