

Converting Colors

XYZ(20.9225, 10.7124, 4.3001)

Have a look what the booklet for
XYZ(20.9225, 10.7124, 4.3001)
contains.

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Color

**XYZ(20.8923, 10.6961,
4.3316)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0035
RGB	186, 0, 53
RGB Percent	73%, 0%, 21%
CMY	0.2706, 0.9999, 0.7922
CMYK	0.00, 1.00, 0.72, 0.27
HSL	343°, 100%, 36%
HSV	343°, 100%, 73%
XYZ	20.8923, 10.6961, 4.3316
YIQ	61.6560, 93.8430, 55.9150

Conversions

Conversions Part 2

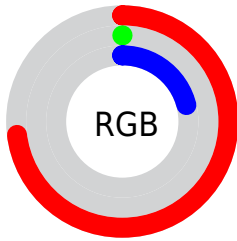
Format	Color
R_{YB}	186, 0, 53
Decimal	12189749
CIE Lab	39.06, 64.41, 26.66
CIE LCh	39, 69.710, 22.488
Yxy	10.6961, 0.5816, 0.2978
Android (android.graphics.Color)	4290379829 (0xFFBA0035)
YUV	61.6560, -4.2674, 109.0497
Hunter-Lab	32.7049, 56.7945, 15.0408

Details

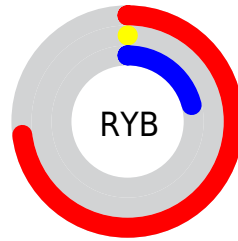
The XYZ color **20.8923, 10.6961, 4.3316** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **21.7949, 36.8121, 28.1581**, and the grayscale version is **4.5281, 4.7639, 5.1879**.

A 20% lighter version of the original color is **44.3363, 27.0752, 14.6936**, and **8.3726, 4.3092, 0.7071** is the 20% darker color. If you saturate the color by 10%, you get **20.8917, 10.6959, 4.3289**, and if you desaturate by 10%, it is **21.4686, 11.2893, 6.2487**.

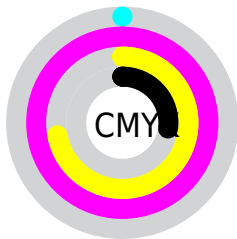
Distribution



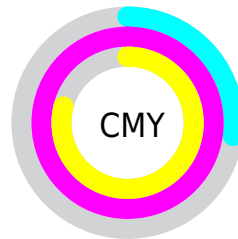
- Red (73%)
- Green (0%)
- Blue (21%)



- Red (73%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (27%)





- Cyan (27%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8923, 10.6961, 4.3316 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 20.8923, 10.6961, 4.3316 by changing the saturation by 10% instead.


 20.8923, 10.6961,
4.3316


 20.8923, 10.6961,
4.3316


249.4481,
195.5706, 151.8427


 13.1573, 5.8629,
1.8090


 44.4009, 27.0968,
14.7676


 7.6147, 2.7619,
0.4339


 60.9051, 39.4331,
23.5180


 3.8991, 1.0087,
0.0000

 81.0632, 55.0392,
35.1814

 1.6452, 0.0000,
0.0000

 105.2404, 74.2995,
50.1764

 0.4216, 0.0000,
0.0000

 133.8022, 97.5984,
68.9215

 0.0000, 0.0000,
0.0000

 167.1138,

125.3203, 91.8352

205.5407,
157.8495, 119.3361

■ 20.8923, 10.6961,
4.3316

■ 20.8923, 10.6961,
4.3316

■ 20.8917, 10.6959,
4.3289

■ 21.4686, 11.2893,
6.2487

■ 22.3518, 12.3500,
8.7188

■ 23.6273, 14.0397,
11.7990

■ 25.3397, 16.4394,
15.5303

■ 27.5273, 19.6175,
19.9499

■ 30.2239, 23.6345,
25.0917

■ 33.4603, 28.5448,
30.9874

■ 37.2647, 34.3983,
37.6667

■ 41.6632, 41.2410,
45.1576

Harmonies

Analogous

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



21.8843, 10.6961, 15.3326



20.8923, 10.6961, 4.3316



16.6548, 10.6961, 0.8429

Triad

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



20.8923, 10.6961, 4.3316



4.5876, 10.6961, 1.9682



9.0396, 10.6961, 60.0890

Complementary

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



20.8923, 10.6961, 4.3316



21.7949, 36.8121, 28.1581

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.



5.6290, 10.6961, 46.1497



20.8923, 10.6961, 4.3316



3.6204, 10.6961, 8.6038

Square

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



20.8923, 10.6961, 4.3316



7.1106, 10.6961, 0.2057



3.9325, 10.6961, 24.4725



13.9919, 10.6961, 55.0686

Rectangle

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



20.8923, 10.6961, 4.3316



13.1071, 10.6961, 0.0610



3.9325, 10.6961, 24.4725



7.7020, 10.6961, 57.2423

Sweetspot

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



20.8925, 10.6968, 4.3317



60.3234, 51.2416, 55.5841



18.1013, 8.3082, 47.1037



12.7146, 10.4169, 11.2124



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.



20.8925, 10.6968, 4.3317



37.7780, 19.3512, 7.3742



20.9184, 11.7763, 1.1714



9.1070, 9.0532, 9.9107



14.0838, 7.2073, 3.0619



0.5240, 0.2651, 0.2530

Inverse Universe

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



20.8925, 10.6968, 4.3317



37.7780, 19.3512, 7.3742



19.5800, 24.9789, 50.2435



9.1070, 9.0532, 9.9107



14.0838, 7.2073, 3.0619



0.5240, 0.2651, 0.2530

Previews

White Background



This preview shows how the XYZ color 20.8923, 10.6961, 4.3316 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 20.8923, 10.6961, 4.3316 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 20.8923, 10.6961, 4.3316

Background



This preview shows how black text looks on a background with the XYZ color 20.8923, 10.6961, 4.3316.



This preview shows how white text looks on a background with the XYZ color 20.8923, 10.6961,

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

20.8923, 10.6961, 4.3316

Protanopia

10.6695, 11.2792, 9.0119

Deuteranopia

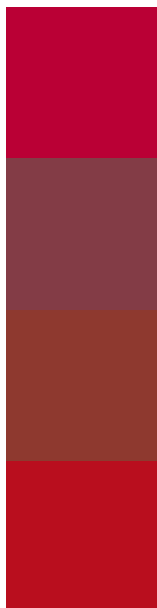
11.4469, 11.2761, 3.9561



Tritanopia

20.3957, 10.9286, 1.5648

Trichromacy



Original Color

20.8923, 10.6961, 4.3316

Protanomaly

12.0814, 8.4992, 6.7981

Deuteranomaly

13.1315, 8.8823, 3.7117

Tritanomaly

20.3990, 10.7221, 2.2227

Monochromacy



Original Color

20.8923, 10.6961, 4.3316

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.5783, 4.8926, 4.6826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8923, 10.6961, 4.3316 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, 53)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 53) }
```

Border

The CSS property to change the border of an element to XYZ 20.8923, 10.6961, 4.3316 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, 53) }
```


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

```
.border{ border-color:rgb(186, 0, 53) }
```

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, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 53)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8923, 10.6961, 4.3316 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, 53) }
```

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

```
.background{ background-color: rgb(186, 0,  
53) }
```

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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