

Converting Colors

XYZ(21.3153, 10.8696, 6.3689)

Have a look what the booklet for
XYZ(21.3153, 10.8696, 6.3689)
contains.

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Color

**XYZ(21.2931, 10.8565,
6.4421)**

Conversions

Conversions Part 1

Format	Color
Hex	BA0044
RGB	186, 0, 68
RGB Percent	73%, 0%, 27%
CMY	0.2706, 0.9999, 0.7333
CMYK	0.00, 1.00, 0.63, 0.27
HSL	338°, 100%, 36%
HSV	338°, 100%, 73%
XYZ	21.2931, 10.8565, 6.4421
YIQ	63.3660, 89.0280, 60.5800

Conversions

Conversions Part 2

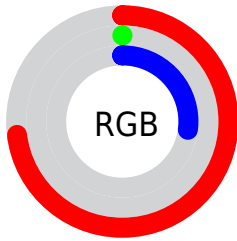
Format	Color
RYB	186, 0, 68
Decimal	12189764
CIELab	39.34, 65.15, 17.48
CIElCh	39, 67.450, 15.017
Yxy	10.8565, 0.5518, 0.2813
Android (android.graphics.Color)	4290379844 (0xFFBA0044)
YUV	63.3660, 2.2846, 107.5500
Hunter-Lab	32.9492, 57.6928, 11.4723

Details

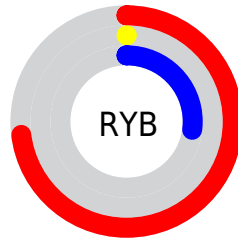
The XYZ color **21.2931, 10.8565, 6.4421** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **20.8313, 36.4267, 23.0835**, and the grayscale version is **4.7690, 5.0174, 5.4639**.

A 20% lighter version of the original color is **44.8811, 27.2520, 19.4177**, and **8.6439, 4.4346, 1.3777** is the 20% darker color. If you saturate the color by 10%, you get **21.2923, 10.8561, 6.4385**, and if you desaturate by 10%, it is **21.9170, 11.4688, 8.6098**.

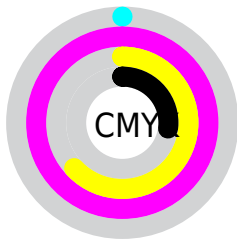
Distribution



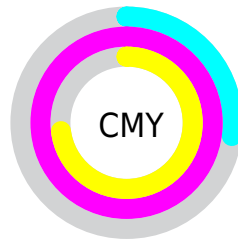
- Red (73%)
- Green (0%)
- Blue (27%)



- Red (73%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (27%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.2931, 10.8565, 6.4421 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 21.2931, 10.8565, 6.4421 by changing the saturation by 10% instead.


 21.2931, 10.8565,
6.4421


 21.2931, 10.8565,
6.4421


251.5344,
196.6804, 172.3951


 13.4521, 5.9704,
3.0426


 45.0624, 27.3945,
19.3351


 7.8197, 2.8271,
1.1164


 61.7215, 39.8152,
29.6657


 4.0306, 1.0421,
0.0000

 82.0506, 55.5163,
43.1438

 1.7195, 0.0000,
0.0000

 106.4151, 74.8821,
60.1879

 0.4684, 0.0000,
0.0000

 135.1804, 98.2970,
81.2165

 0.0000, 0.0000,
0.0000

 168.7118,

126.1454, 106.6483

207.3747,
158.8117, 136.9016

■ 21.2931, 10.8565,
6.4421

■ 21.2931, 10.8565,
6.4421

■ 21.2923, 10.8561,
6.4385

■ 21.9170, 11.4688,
8.6098

■ 22.8330, 12.5427,
11.2524

■ 24.1245, 14.2389,
14.4162

■ 25.8341, 16.6376,
18.1326

■ 27.9985, 19.8066,
22.4299

■ 30.6502, 23.8057,
27.3342

■ 33.8183, 28.6889,
32.8698

■ 37.5298, 34.5054,
39.0596

■ 41.8096, 41.3008,
45.9252

Harmonies

Analogous

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



21.2953, 10.8565, 19.5589



21.2931, 10.8565, 6.4421



17.8262, 10.8565, 1.4772

Triad

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



21.2931, 10.8565, 6.4421



5.2829, 10.8565, 1.4799



8.2171, 10.8565, 56.3429

Complementary

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



21.2931, 10.8565, 6.4421



20.8313, 36.4267, 23.0835

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.



5.2853, 10.8565, 39.8989



21.2931, 10.8565, 6.4421



3.9622, 10.8565, 6.4520

Square

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



21.2931, 10.8565, 6.4421



8.2127, 10.8565, 0.1872



3.9629, 10.8565, 19.5796



12.7573, 10.8565, 56.3316

Rectangle

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



21.2931, 10.8565, 6.4421



14.4750, 10.8565, 0.4673



3.9629, 10.8565, 19.5796



7.0456, 10.8565, 52.2182

Sweetspot

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



21.2934, 10.8572, 6.4423



60.9783, 51.5036, 59.0328



16.3091, 7.3844, 47.0198



12.8713, 10.4796, 12.0379



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.



21.2934, 10.8572, 6.4423



38.4876, 19.6350, 11.1107



20.5938, 11.1272, 1.0634



9.1366, 9.0650, 10.0670



14.3581, 7.3170, 4.5068



0.5364, 0.2700, 0.3182

Inverse Universe

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



21.2934, 10.8572, 6.4423



38.4876, 19.6350, 11.1107



21.6439, 29.1066, 50.9315



9.1366, 9.0650, 10.0670



14.3581, 7.3170, 4.5068



0.5364, 0.2700, 0.3182

Previews

White Background



This preview shows how the XYZ color 21.2931, 10.8565, 6.4421 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 21.2931, 10.8565, 6.4421

Background



This preview shows how black text looks on a background with the XYZ color 21.2931, 10.8565, 6.4421.



This preview shows how white text looks on a background with the XYZ color 21.2931, 10.8565,

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

21.2931, 10.8565, 6.4421

Protanopia

11.2163, 11.5913, 13.7028

Deuteranopia

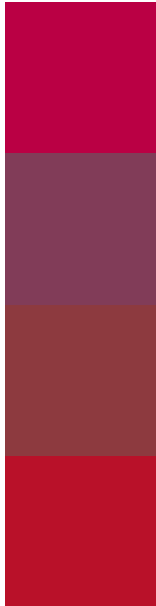
11.6269, 11.4533, 5.8729



Tritanopia

20.5750, 11.1683, 1.9910

Trichromacy



Original Color

21.2931, 10.8565, 6.4421

Protanomaly

12.4306, 8.6034, 10.2380

Deuteranomaly

13.3948, 9.0477, 5.7430

Tritanomaly

20.6083, 10.8753, 3.1108

Monochromacy



Original Color

21.2931, 10.8565, 6.4421

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

7.8973, 5.0874, 5.5668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2931, 10.8565, 6.4421 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 68) }
```

Border

The CSS property to change the border of an element to XYZ 21.2931, 10.8565, 6.4421 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, 68) }
```


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

```
.border{ border-color:rgb(186, 0, 68) }
```

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, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.2931, 10.8565, 6.4421 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, 68) }
```

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

```
.background{ background-color: rgb(186, 0,  
68) }
```

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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