

Converting Colors

XYZ(31.3701, 21.3404, 45.3580)

Have a look what the booklet for
XYZ(31.3701, 21.3404, 45.3580)
contains.

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Color

**XYZ(31.2849, 21.2628,
45.1031)**

Conversions

Conversions Part 1

Format	Color
Hex	B55FB3
RGB	181, 95, 179
RGB Percent	71%, 37%, 70%
CMY	0.2902, 0.6274, 0.2980
CMYK	0.00, 0.48, 0.01, 0.29
HSL	301°, 37%, 54%
HSV	301°, 48%, 71%
XYZ	31.2849, 21.2628, 45.1031
YIQ	130.2900, 24.2920, 44.3560

Conversions

Conversions Part 2

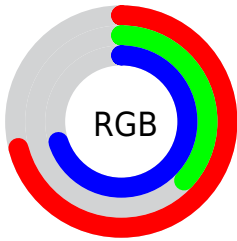
Format	Color
R_{YB}	181, 95, 179
Decimal	11886515
CIE _{Lab}	53.24, 46.79, -29.72
CIE _{LCh}	53, 55.433, 327.582
Yxy	21.2628, 0.3204, 0.2177
Android (android.graphics.Color)	4290076595 (0xFFB55FB3)
YUV	130.2900, 24.0140, 44.4727
Hunter-Lab	46.1116, 40.4099, -25.7151

Details

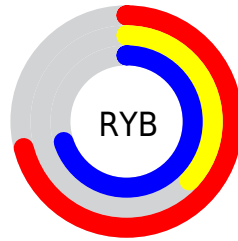
The XYZ color **31.2849, 21.2628, 45.1031** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.4017, 36.3444, 17.0922**, and the grayscale version is **21.2330, 22.3387, 24.3269**.

A 20% lighter version of the original color is **61.1819, 45.5287, 84.1605**, and **13.2340, 7.6697, 20.5216** is the 20% darker color. If you saturate the color by 10%, you get **29.7977, 18.3559, 44.3978**, and if you desaturate by 10%, it is **33.1525, 24.9292, 45.9362**.

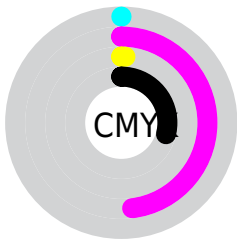
Distribution



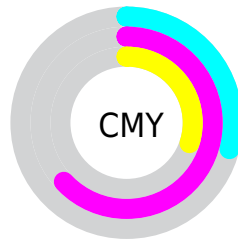
- Red (71%)
- Green (37%)
- Blue (70%)



- Red (71%)
- Yellow (37%)
- Blue (70%)



- Cyan (0%)
- Magenta (48%)
- Yellow (1%)
- Black (29%)



- Cyan (29%)
- Magenta (63%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2849, 21.2628, 45.1031 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 31.2849, 21.2628, 45.1031 by changing the saturation by 10% instead.

31.2849, 21.2628,
45.1031

31.2849, 21.2628,
45.1031

299.6522,
258.6718, 383.3633

20.9688, 13.3162,
31.1951

61.0611, 45.5245,
84.1952

13.2135, 7.6467,
20.4877

81.2520, 62.6084,
110.2164

7.6537, 3.8697,
12.5625

105.4651, 83.5069,
141.1123

3.9241, 1.6009,
7.0008

134.0658,
108.6044, 177.3017

1.6593, 0.3582,
3.3842

167.4195,
138.2852, 219.2029

0.4306, 0.0000,
1.2940

205.8916,

0.0000, 0.0000,

172.9338, 267.2345

0.0568

249.8474,
212.9346, 321.8151

■ 0.0000, 0.0000,
0.0000

■ 31.2849, 21.2628,
45.1031

■ 31.2849, 21.2628,
45.1031

■ 29.7977, 18.3559,
44.3978

■ 33.1525, 24.9292,
45.9362

■ 28.6620, 16.1524,
43.8101

■ 35.4223, 29.4003,
46.9039

■ 27.8486, 14.5932,
43.3304

■ 38.1171, 34.7213,
48.0139

■ 27.3223, 13.6080,
42.9471

■ 41.2574, 40.9331,
49.2730

■ 27.0306, 13.0918,
42.6427

■ 44.8624, 48.0739,
50.6877

■ 26.9713, 12.9899,
42.5715

■ 48.9500, 56.1798,
52.2638

■ 53.5374, 65.2850,
54.0072

■ 58.6407, 75.4220,
55.9233

■ 63.3417, 84.7540,
57.7059

Harmonies

Analogous

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



25.8854, 21.2628, 65.1188



31.2849, 21.2628, 45.1031



33.6786, 21.2628, 24.5389

Triad

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



31.2849, 21.2628, 45.1031



20.6884, 21.2628, 3.5660



11.7811, 21.2628, 41.5264

Complementary

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



31.2849, 21.2628, 45.1031



23.4017, 36.3444, 17.0922

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.



10.9169, 21.2628, 21.8176



31.2849, 21.2628, 45.1031



15.4308, 21.2628, 4.7165

Square

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



31.2849, 21.2628, 45.1031



26.8680, 21.2628, 5.2034



12.1157, 21.2628, 9.8085



14.7536, 21.2628, 62.4454

Rectangle

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



31.2849, 21.2628, 45.1031



32.9583, 21.2628, 14.7116



12.1157, 21.2628, 9.8085



11.2628, 21.2628, 34.3249

Sweetspot

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



31.2856, 21.2638, 45.1035



70.0201, 65.6519, 86.7001



17.3032, 14.0320, 45.5131



14.8857, 13.6991, 18.6388



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.2856, 21.2638, 45.1035



53.2639, 32.6751, 79.4639



27.6334, 19.8029, 25.8712



8.8413, 8.6432, 10.6629



18.5970, 8.9563, 29.3673



0.5878, 0.2829, 0.9381

Inverse Universe

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



31.2856, 21.2638, 45.1035



53.2639, 32.6751, 79.4639



25.9360, 37.3581, 30.4373



8.8413, 8.6432, 10.6629



18.5970, 8.9563, 29.3673



0.5878, 0.2829, 0.9381

Previews

White Background



This preview shows how the XYZ color 31.2849, 21.2628, 45.1031 looks on a white background.

Color Contrast Check

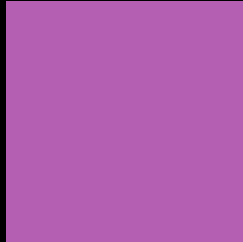
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.2849, 21.2628, 45.1031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

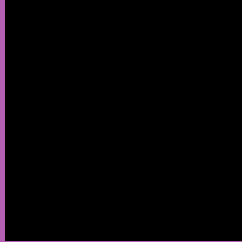
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2849, 21.2628, 45.1031

Background



This preview shows how black text looks on a background with the XYZ color 31.2849, 21.2628, 45.1031.



This preview shows how white text looks on a background with the XYZ color 31.2849, 21.2628,

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

31.2849, 21.2628, 45.1031

Protanopia

23.1625, 21.5683, 60.0690

Deuteranopia

21.9431, 21.5162, 42.5317



Tritanopia

25.9722, 21.1295, 19.8491

Trichromacy



Original Color

31.2849, 21.2628, 45.1031

Protanomaly

24.7697, 20.5640, 54.2935

Deuteranomaly

24.3498, 20.7599, 43.2811

Tritanomaly

27.5884, 21.0242, 27.4149

Monochromacy



Original Color

31.2849, 21.2628, 45.1031

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

24.1010, 21.2503, 30.8484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2849, 21.2628, 45.1031 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(181, 95, 179)` looks like.

```
.text, #text, p{  
    color:rgb(181, 95, 179)  
}
```

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(181, 95, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 95, 179) }
```

Border

The CSS property to change the border of an element to XYZ 31.2849, 21.2628, 45.1031 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(181, 95, 179) }
```


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

```
.border{ border-color:rgb(181, 95, 179) }
```

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

Here you see how a box with a 4 pixel rgb(181, 95, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 95, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 95, 179);  
box-shadow:4px 4px 4px 4px rgb(181, 95,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2849, 21.2628, 45.1031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 95, 179) }
```

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

```
.background{ background-color: rgb(181, 95,  
179) }
```

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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