

Converting Colors

XYZ(30.7808, 21.6153, 45.2044)

Have a look what the booklet for
XYZ(30.7808, 21.6153, 45.2044)
contains.

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Color

**XYZ(30.7300, 21.5255,
45.1830)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | B163B3 |
| RGB | 177, 99, 179 |
| RGB Percent | 69%, 39%, 70% |
| CMY | 0.3059, 0.6117, 0.2980 |
| CMYK | 0.01, 0.45, 0.00, 0.30 |
| HSL | 299°, 34%, 55% |
| HSV | 299°, 45%, 70% |
| XYZ | 30.7300, 21.5255, 45.1830 |
| YIQ | 131.4420, 20.8080, 41.4160 |

Conversions

Conversions Part 2

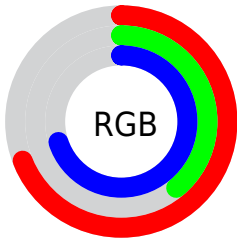
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 177, 99, 179 |
| Decimal | 11625395 |
| CIELab | 53.52, 43.52, -29.32 |
| CIELCh | 54, 52.470, 326.034 |
| Yxy | 21.5255, 0.3154, 0.2209 |
| Android (android.graphics.Color) | 4289815475 (0xFFB163B3) |
| YUV | 131.4420, 23.4461, 39.9544 |
| Hunter-Lab | 46.3956, 37.0368, -25.2635 |

Details

The XYZ color **30.7300, 21.5255, 45.1830** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **23.7398, 35.9083, 17.4852**, and the grayscale version is **21.6456, 22.7729, 24.7997**.

A 20% lighter version of the original color is **60.1553, 45.9471, 84.2954**, and **12.8489, 7.7578, 20.5589** is the 20% darker color. If you saturate the color by 10%, you get **29.1169, 18.4499, 44.6747**, and if you desaturate by 10%, it is **32.7207, 25.3549, 45.8175**.

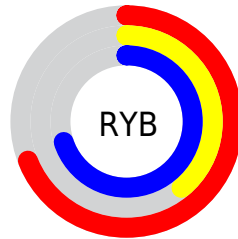
Distribution



Red (69%)

Green (39%)

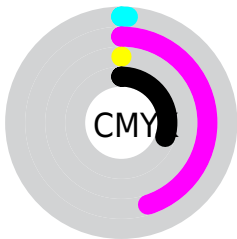
Blue (70%)



Red (69%)

Yellow (39%)

Blue (70%)

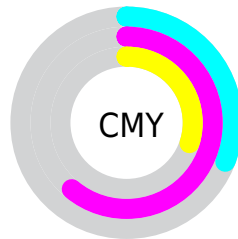


Cyan (1%)

Magenta (45%)

Yellow (0%)

Black (30%)



Cyan (31%)

Magenta (61%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7300, 21.5255, 45.1830 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 30.7300, 21.5255, 45.1830 by changing the saturation by 10% instead.

30.7300, 21.5255,
45.1830

30.7300, 21.5255,
45.1830

297.1416,
260.0582, 383.6959

20.5442, 13.5087,
31.2576

60.1935, 45.9605,
84.3163

12.9018, 7.7797,
20.5350

80.2018, 63.1474,
110.3613

7.4375, 3.9543,
12.5966

104.2150, 84.1599,
141.2832

3.7859, 1.6480,
7.0239

132.5985,
109.3822, 177.5006

1.5817, 0.3897,
3.3984

165.7175,
139.1988, 219.4321

0.3805, 0.0000,
1.3015

203.9375,

0.0000, 0.0000,

173.9941, 267.4961

0.0630

247.6237,
214.1524, 322.1112

■ 0.0000, 0.0000,
0.0000

■ 30.7300, 21.5255,
45.1830

■ 30.7300, 21.5255,
45.1830

■ 29.1169, 18.4499,
44.6747

■ 32.7207, 25.3549,
45.8175

■ 27.8542, 16.0749,
44.2828

■ 35.1097, 29.9808,
46.5845

■ 26.9143, 14.3452,
43.9985

■ 37.9186, 35.4462,
47.4914

■ 26.2648, 13.1957,
43.8108

■ 41.1671, 41.7901,
48.5447

■ 25.8662, 12.5477,
43.7068

■ 44.8734, 49.0492,
49.7505

■ 25.7099, 12.3140,
43.6699

■ 49.0548, 57.2580,
51.1146

■ 53.7277, 66.4492,
52.6423

■ 58.9076, 76.6540,
54.3391

■ 62.9593, 84.6018,
55.6596

Harmonies

Analogous

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



25.5482, 21.5255, 63.3988



30.7300, 21.5255, 45.1830



33.1629, 21.5255, 25.6316

Triad

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



30.7300, 21.5255, 45.1830



21.2117, 21.5255, 4.1891



12.2421, 21.5255, 39.7087

Complementary

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



30.7300, 21.5255, 45.1830



23.7398, 35.9083, 17.4852

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.



11.5015, 21.5255, 21.3725



30.7300, 21.5255, 45.1830



16.0955, 21.5255, 5.2331

Square

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



30.7300, 21.5255, 45.1830



27.0705, 21.5255, 6.0563



12.7776, 21.5255, 10.1039



15.0230, 21.5255, 59.3550

Rectangle

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



30.7300, 21.5255, 45.1830



32.6245, 21.5255, 15.9225



12.7776, 21.5255, 10.1039



11.7709, 21.5255, 33.0085

Sweetspot

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



30.7307, 21.5265, 45.1835



68.7164, 65.0537, 85.3160



18.0019, 15.3458, 44.6613



14.9596, 13.8969, 18.8162



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.



30.7307, 21.5265, 45.1835



52.0905, 32.9355, 79.9929



27.9104, 20.4513, 27.9375



8.8286, 8.6357, 10.7079



18.1764, 8.7060, 30.8594



0.5784, 0.2773, 0.9713

Inverse Universe

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



25.4019, 19.4479, 14.7279



41.3335, 28.7491, 18.0867



25.7341, 36.6805, 29.1416



8.5047, 8.5086, 8.8901



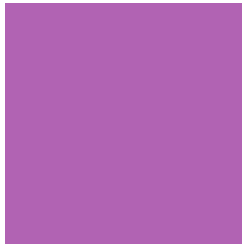
13.1578, 6.7807, 0.7251



0.4168, 0.2145, 0.0377

Previews

White Background



This preview shows how the XYZ color 30.7300, 21.5255, 45.1830 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 30.7300, 21.5255, 45.1830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

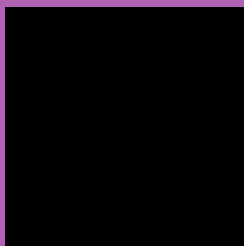
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.7300, 21.5255, 45.1830

Background



This preview shows how black text looks on a background with the XYZ color 30.7300, 21.5255, 45.1830.



This preview shows how white text looks on a background with the XYZ color 30.7300, 21.5255,

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

30.7300, 21.5255, 45.1830

Protanopia

23.2590, 21.8481, 58.2496

Deuteranopia

22.1711, 21.6225, 43.0494



Tritanopia

25.8229, 21.5149, 20.8809

Trichromacy



Original Color

30.7300, 21.5255, 45.1830



Protanomaly

24.7731, 20.9302, 53.1863



Deuteranomaly

24.5631, 21.0286, 43.8386



Tritanomaly

27.3738, 21.3526, 28.2699

Monochromacy



Original Color

30.7300, 21.5255, 45.1830



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

24.1549, 21.6277, 30.9184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7300, 21.5255, 45.1830 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(177, 99, 179)` looks like.

```
.text, #text, p{  
    color:rgb(177, 99, 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(177, 99, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 99, 179) }
```

Border

The CSS property to change the border of an element to XYZ 30.7300, 21.5255, 45.1830 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(177, 99, 179) }
```


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

```
.border{ border-color:rgb(177, 99, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 99, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 99, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 99, 179);  
box-shadow:4px 4px 4px 4px rgb(177, 99,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7300, 21.5255, 45.1830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 99, 179) }
```

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

```
.background{ background-color: rgb(177, 99,  
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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