

Converting Colors

XYZ(30.7193, 19.8703, 45.8623)

Have a look what the booklet for
XYZ(30.7193, 19.8703, 45.8623)
contains.

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Color

**XYZ(30.7243, 19.8155,
45.9215)**

Conversions

Conversions Part 1

Format	Color
Hex	B556B5
RGB	181, 86, 181
RGB Percent	71%, 34%, 71%
CMY	0.2902, 0.6627, 0.2902
CMYK	0.00, 0.52, 0.00, 0.29
HSL	300°, 39%, 52%
HSV	300°, 52%, 71%
XYZ	30.7243, 19.8155, 45.9215
YIQ	125.2350, 26.1250, 49.6850

Conversions

Conversions Part 2

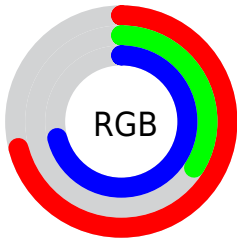
Format	Color
R_{YB}	181, 86, 181
Decimal	11884213
CIE _{Lab}	51.63, 51.65, -33.39
CIE _{LCh}	52, 61.501, 327.123
Yxy	19.8155, 0.3185, 0.2054
Android (android.graphics.Color)	4290074293 (0xFFB556B5)
YUV	125.2350, 27.4921, 48.9059
Hunter-Lab	44.5146, 45.3014, -30.0037

Details

The XYZ color **30.7243, 19.8155, 45.9215** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **22.0422, 35.6988, 14.5340**, and the grayscale version is **19.4769, 20.4912, 22.3150**.

A 20% lighter version of the original color is **60.2607, 43.2213, 85.2872**, and **12.9905, 6.9741, 21.0835** is the 20% darker color. If you saturate the color by 10%, you get **29.4582, 17.2828, 45.4996**, and if you desaturate by 10%, it is **32.3577, 23.0818, 46.4662**.

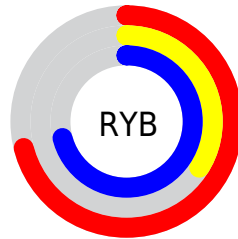
Distribution



Red (71%)

Green (34%)

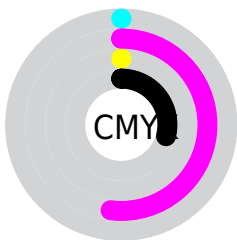
Blue (71%)



Red (71%)

Yellow (34%)

Blue (71%)

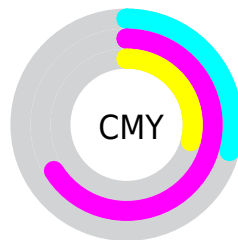


Cyan (0%)

Magenta (52%)

Yellow (0%)

Black (29%)



Cyan (29%)

Magenta (66%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7243, 19.8155, 45.9215 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 30.7243, 19.8155, 45.9215 by changing the saturation by 10% instead.

30.7243, 19.8155,
45.9215

30.7243, 19.8155,
45.9215

297.1158,
250.9146, 386.7614

20.5398, 12.2610,
31.8357

60.1845, 43.1076,
85.4345

12.8986, 6.9217,
20.9722

80.1910, 59.6141,
111.6988

7.4353, 3.4132,
12.9127

104.2022, 79.8733,
142.8597

3.7845, 1.3511,
7.2384

132.5834,
104.2696, 179.3357

1.5810, 0.1802,
3.5309

165.7000,
133.1875, 221.5453

0.3799, 0.0000,
1.3717

203.9173,

0.0000, 0.0000,

167.0114, 269.9071

0.1195

247.6008,
206.1256, 324.8396

■ 0.0000, 0.0000,
0.0000

■ 30.7243, 19.8155,
45.9215

■ 30.7243, 19.8155,
45.9215

■ 29.4582, 17.2828,
45.4996

■ 32.3577, 23.0818,
46.4662

■ 28.5291, 15.4246,
45.1898

■ 34.3816, 27.1295,
47.1409

■ 27.9054, 14.1772,
44.9819

■ 36.8196, 32.0055,
47.9536

■ 27.5486, 13.4636,
44.8629

■ 39.6929, 37.7522,
48.9114

■ 27.3968, 13.1601,
44.8123

■ 43.0214, 44.4092,
50.0210

■ 46.8237, 52.0136,
51.2884

■ 51.1171, 60.6005,
52.7196

■ 55.9184, 70.2030,
54.3201

■ 61.2434, 80.8530,
56.0952

Harmonies

Analogous

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



24.8082, 19.8155, 68.4588



30.7243, 19.8155, 45.9215



33.4248, 19.8155, 23.3353

Triad

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



30.7243, 19.8155, 45.9215



19.4388, 19.8155, 2.2863



10.0917, 19.8155, 41.1829

Complementary

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



30.7243, 19.8155, 45.9215



22.0422, 35.6988, 14.5340

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.



9.2607, 19.8155, 19.9069



30.7243, 19.8155, 45.9215



13.9053, 19.8155, 3.2221

Square

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



30.7243, 19.8155, 45.9215



26.0746, 19.8155, 3.7290



10.4916, 19.8155, 7.8428



13.0757, 19.8155, 64.8245

Rectangle

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



30.7243, 19.8155, 45.9215



32.6780, 19.8155, 13.0043



10.4916, 19.8155, 7.8428



9.5842, 19.8155, 33.2690

Sweetspot

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



30.7250, 19.8164, 45.9219



69.0474, 63.5308, 86.9179



15.5069, 11.9712, 45.2100



14.6984, 13.2809, 18.7110



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.



30.7250, 19.8164, 45.9219



52.4587, 30.3535, 81.3879



26.6529, 18.1876, 24.4786



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8923



0.5943, 0.2854, 0.9720

Inverse Universe

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



30.7250, 19.8164, 45.9219



52.4587, 30.3535, 81.3879



24.6307, 36.7342, 28.1651



8.8501, 8.6467, 10.7089



18.8866, 9.0722, 30.8923



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 30.7243, 19.8155, 45.9215 looks on a white background.

Color Contrast Check

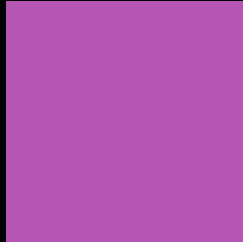
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.7243, 19.8155, 45.9215 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 30.7243, 19.8155, 45.9215

Background



This preview shows how black text looks on a background with the XYZ color 30.7243, 19.8155, 45.9215.



This preview shows how white text looks on a background with the XYZ color 30.7243, 19.8155,

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

30.7243, 19.8155, 45.9215

Protanopia

22.2514, 20.2627, 64.3663

Deuteranopia

20.5231, 20.0175, 43.3395



Tritanopia

24.8328, 19.8190, 17.5555

Trichromacy



Original Color

30.7243, 19.8155, 45.9215



Protanomaly

23.3956, 18.8172, 57.0426



Deuteranomaly

23.0773, 19.0981, 44.0650



Tritanomaly

26.3978, 19.4409, 25.6537

Monochromacy



Original Color

30.7243, 19.8155, 45.9215



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

22.4723, 19.4330, 29.3546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7243, 19.8155, 45.9215 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, 86, 181)` looks like.

```
.text, #text, p{  
    color:rgb(181, 86, 181)  
}
```

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, 86, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 86, 181) }
```

Border

The CSS property to change the border of an element to XYZ 30.7243, 19.8155, 45.9215 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, 86, 181) }
```


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

```
.border{ border-color:rgb(181, 86, 181) }
```

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

Here you see how a box with a 4 pixel rgb(181, 86, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 86, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 86, 181);  
box-shadow:4px 4px 4px 4px rgb(181, 86,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7243, 19.8155, 45.9215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 86, 181) }
```

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

```
.background{ background-color: rgb(181, 86,  
181) }
```

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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