

Converting Colors

XYZ(31.3777, 17.5526, 52.6215)

Have a look what the booklet for
XYZ(31.3777, 17.5526, 52.6215)
contains.

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Color

**XYZ(31.4139, 17.5468,
52.7701)**

Conversions

Conversions Part 1

Format	Color
Hex	B93DC2
RGB	185, 61, 194
RGB Percent	73%, 24%, 76%
CMY	0.2745, 0.7608, 0.2392
CMYK	0.05, 0.69, 0.00, 0.24
HSL	296°, 52%, 50%
HSV	296°, 69%, 76%
XYZ	31.4139, 17.5468, 52.7701
YIQ	113.2380, 31.2110, 67.6510

Conversions

Conversions Part 2

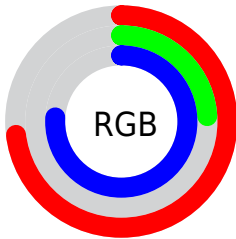
Format	Color
R _Y B	185, 61, 194
Decimal	12139970
CIE Lab	48.94, 65.78, -45.13
CIE LCh	49, 79.771, 325.546
Yxy	17.5468, 0.3088, 0.1725
Android (android.graphics.Color)	4290330050 (0xFFB93DC2)
YUV	113.2380, 39.8157, 62.9353
Hunter-Lab	41.8889, 60.5576, -45.3691

Details

The XYZ color **31.4139, 17.5468, 52.7701** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **22.6604, 40.2230, 10.9851**, and the grayscale version is **15.6465, 16.4614, 17.9264**.

A 20% lighter version of the original color is **61.1992, 39.1550, 95.5989**, and **13.6357, 6.4826, 25.3435** is the 20% darker color. If you saturate the color by 10%, you get **30.2443, 15.6751, 52.4707**, and if you desaturate by 10%, it is **32.9622, 20.1704, 53.1952**.

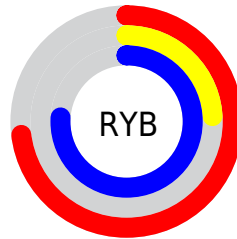
Distribution



Red (73%)

Green (24%)

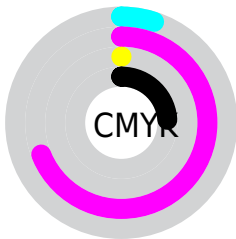
Blue (76%)



Red (73%)

Yellow (24%)

Blue (76%)

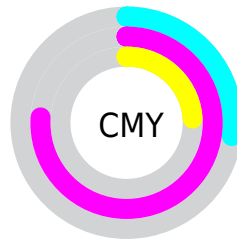


Cyan (5%)

Magenta (69%)

Yellow (0%)

Black (24%)



Cyan (27%)


Magenta (76%)


Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4139, 17.5468, 52.7701 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 31.4139, 17.5468, 52.7701 by changing the saturation by 10% instead.

 31.4139, 17.5468,
52.7701


 31.4139, 17.5468,
52.7701


300.2336,
238.3040, 414.4437


 21.0676, 10.6251,
37.2328


 61.2625, 39.2636,
95.7041

 13.2862, 5.8154,
25.0906


 81.4956, 54.8274,
123.9379

 7.7043, 2.7331,
15.9249


 105.7550, 74.0408,
157.2409

 3.9565, 0.9940,
9.3173

 134.4060, 97.2880,
196.0318

 1.6776, 0.0000,
4.8491

 167.8140,
124.9536, 240.7289

 0.4422, 0.0000,
2.1018

206.3443,

 0.0000, 0.0000,

157.4219, 291.7509

0.6168

250.3624,
195.0772, 349.5163

■ 0.0000, 0.0000,
0.0000

■ 31.4139, 17.5468,
52.7701

■ 31.4139, 17.5468,
52.7701

■ 30.2443, 15.6751,
52.4707

■ 32.9622, 20.1704,
53.1952

■ 29.4088, 14.4677,
52.2817

■ 34.9234, 23.6162,
53.7569

■ 28.8390, 13.7874,
52.1804

■ 37.3302, 27.9488,
54.4663

■ 28.7640, 13.7035,
52.1682

■ 40.2115, 33.2259,
55.3330

■ 43.5937, 39.5004,
56.3659

■ 47.5012, 46.8212,
57.5730

■ 51.9568, 55.2339,
58.9620

■ 56.9821, 64.7815,
60.5400

■ 62.5974, 75.5047,
62.3138

Harmonies

Analogous

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



23.6129, 17.5468, 84.7045



31.4139, 17.5468, 52.7701



35.3141, 17.5468, 22.4555

Triad

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



31.4139, 17.5468, 52.7701



17.8097, 17.5468, 0.3392



6.8375, 17.5468, 42.6788

Complementary

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



31.4139, 17.5468, 52.7701



22.6604, 40.2230, 10.9851

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.



6.1188, 17.5468, 16.1064



31.4139, 17.5468, 52.7701



11.2537, 17.5468, 0.8676

Square

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



31.4139, 17.5468, 52.7701



26.1147, 17.5468, 1.3414



7.4670, 17.5468, 4.0639



9.8418, 17.5468, 76.4310

Rectangle

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



31.4139, 17.5468, 52.7701



34.5309, 17.5468, 10.1181



7.4670, 17.5468, 4.0639



6.3673, 17.5468, 32.2722

Sweetspot

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



31.4146, 17.5476, 52.7705



77.1839, 68.2189, 101.5693



13.9855, 9.5335, 52.1422



16.5198, 14.2287, 22.1257



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.4146, 17.5476, 52.7705



54.0062, 27.2213, 94.8776



28.5473, 16.6594, 25.9787



10.4278, 10.2117, 12.7063



18.9394, 9.0240, 34.3002



0.8389, 0.4005, 1.4830

Inverse Universe

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



25.0229, 15.2497, 7.4197



42.0645, 23.0106, 6.4233



24.3936, 40.8468, 23.2499



10.1002, 10.0887, 10.6183



14.6872, 7.5646, 0.9987



0.6443, 0.3307, 0.0943

Previews

White Background



This preview shows how the XYZ color 31.4139, 17.5468, 52.7701 looks on a white background.

Color Contrast Check

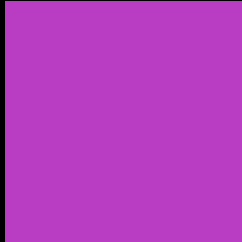
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4139, 17.5468, 52.7701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

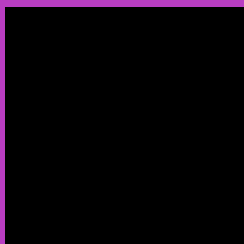
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4139, 17.5468, 52.7701

Background



This preview shows how black text looks on a background with the XYZ color 31.4139, 17.5468, 52.7701.



This preview shows how white text looks on a background with the XYZ color 31.4139, 17.5468,

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

31.4139, 17.5468, 52.7701

Protanopia

21.6333, 18.1015, 84.7918

Deuteranopia

18.3427, 17.8876, 48.3848



Tritanopia

23.3129, 17.4394, 13.9418

Trichromacy



Original Color

31.4139, 17.5468, 52.7701



Protanomaly

19.6367, 14.5264, 71.5809



Deuteranomaly

20.8230, 16.0318, 49.5739



Tritanomaly

25.3770, 16.9532, 24.4890

Monochromacy



Original Color

31.4139, 17.5468, 52.7701



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

19.5326, 15.4474, 27.5433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4139, 17.5468, 52.7701 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(185, 61, 194)` looks like.

```
.text, #text, p{  
    color:rgb(185, 61, 194)  
}
```

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(185, 61, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 61, 194) }
```

Border

The CSS property to change the border of an element to XYZ 31.4139, 17.5468, 52.7701 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(185, 61, 194) }
```


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

```
.border{ border-color:rgb(185, 61, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 61, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 61, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 61, 194);  
box-shadow:4px 4px 4px 4px rgb(185, 61,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4139, 17.5468, 52.7701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 61, 194) }
```

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

```
.background{ background-color: rgb(185, 61,  
194) }
```

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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