

Converting Colors

XYZ(31.5884, 17.1010, 73.4688)

Have a look what the booklet for
XYZ(31.5884, 17.1010, 73.4688)
contains.

XYZ(31.7055, 17.1577, 73.5922)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.7055, 17.1577,
73.5922)**

Conversions

Conversions Part 1

Format	Color
Hex	A93CE2
RGB	169, 60, 226
RGB Percent	66%, 24%, 89%
CMY	0.3372, 0.7647, 0.1137
CMYK	0.25, 0.73, 0.00, 0.11
HSL	279°, 74%, 56%
HSV	279°, 73%, 89%
XYZ	31.7055, 17.1577, 73.5922
YIQ	111.5150, 11.6780, 74.7340

Conversions

Conversions Part 2

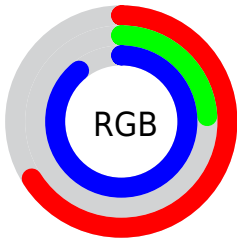
Format	Color
R _Y B	169, 60, 226
Decimal	11091170
CIE Lab	48.46, 68.93, -64.38
CIE LCh	48, 94.320, 316.953
Yxy	17.1577, 0.2589, 0.1401
Android (android.graphics.Color)	4289281250 (0xFFA93CE2)
YUV	111.5150, 56.4411, 50.4143
Hunter-Lab	41.4219, 64.1409, -76.3424

Details

The XYZ color **31.7055, 17.1577, 73.5922** is a light color, and the websafe version is hex **9933CC**. The color can be described as light washed purple. A complement of this color would be **35.3483, 58.5012, 13.7042**, and the grayscale version is **15.0984, 15.8847, 17.2984**.

A 20% lighter version of the original color is **56.4062, 36.4366, 98.6678**, and **13.8112, 6.2818, 38.5148** is the 20% darker color. If you saturate the color by 10%, you get **29.1486, 14.4417, 73.2030**, and if you desaturate by 10%, it is **34.8680, 20.9362, 74.1552**.

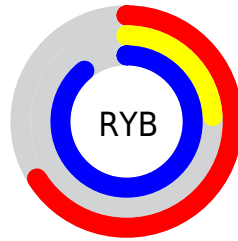
Distribution



Red (66%)

Green (24%)

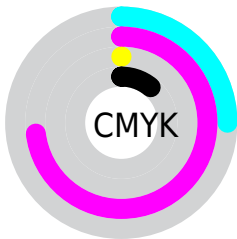
Blue (89%)



Red (66%)

Yellow (24%)

Blue (89%)

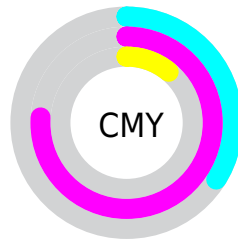


Cyan (25%)

Magenta (73%)

Yellow (0%)

Black (11%)



Cyan (34%)


Magenta (76%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7055, 17.1577, 73.5922 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 31.7055, 17.1577, 73.5922 by changing the saturation by 10% instead.

 31.7055, 17.1577,
73.5922

 31.7055, 17.1577,
73.5922


301.5447,
236.0795, 492.1904


 21.2911, 10.3470,
53.9656


 61.7174, 38.5967,
126.0463

 13.4506, 5.6296,
38.1811


 82.0457, 53.9938,
159.7108

 7.8187, 2.6212,
25.8204


 106.4093, 73.0218,
198.8916

 4.0300, 0.9373,
16.4648

 135.1736, 96.0652,
244.0074

 1.7191, 0.0000,
9.6957

 168.7039,
123.5082, 295.4766

 0.4682, 0.0000,
5.0947

207.3656,

 0.0000, 0.0000,

155.7353, 353.7178

2.2432

251.5241,
193.1310, 419.1496

■ 0.0000, 0.0000,
0.6992

■ 0.0000, 0.0000,
0.0000

■ 31.7055, 17.1577,
73.5922

■ 31.7055, 17.1577,
73.5922

■ 29.1486, 14.4417,
73.2030

■ 34.8680, 20.9362,
74.1552

■ 27.1237, 12.6465,
72.9633

■ 38.6925, 25.8906,
74.9099

■ 26.0127, 11.8243,
72.8631

■ 43.2310, 32.1214,
75.8734

■ 48.5292, 39.7178,
77.0604

■ 54.6287, 48.7607,
78.4843

■ 61.5680, 59.3245,
80.1576

■ 69.3827, 71.4786,
82.0917

■ 78.1064, 85.2879,
84.2974

■ 85.0312, 95.3345,
85.8716

Harmonies

Analogous

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



21.6459, 17.1577, 111.1128



31.7055, 17.1577, 73.5922



38.4285, 17.1577, 31.6087

Triad

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



31.7055, 17.1577, 73.5922



20.3520, 17.1577, 0.0000



5.0215, 17.1577, 36.2666

Complementary

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



31.7055, 17.1577, 73.5922



35.3483, 58.5012, 13.7042

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.



4.8891, 17.1577, 9.8697



31.7055, 17.1577, 73.5922



11.9286, 17.1577, 0.0000

Square

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



31.7055, 17.1577, 73.5922



30.4750, 17.1577, 1.0233



6.9326, 17.1577, 1.3908



7.3950, 17.1577, 79.4592

Rectangle

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



31.7055, 17.1577, 73.5922



38.9741, 17.1577, 13.4952



6.9326, 17.1577, 1.3908



4.7530, 17.1577, 25.0516

Sweetspot

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



31.7063, 17.1583, 73.5926



72.9553, 65.8088, 103.4649



22.0816, 19.4327, 74.5389



15.1154, 13.3342, 22.0270



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.



31.7063, 17.1583, 73.5926



36.8780, 17.6382, 96.0686



43.5347, 23.6226, 57.5856



13.8142, 13.6878, 17.3016



14.9723, 6.8138, 41.5744



1.1327, 0.5212, 2.8862

Inverse Universe

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



36.1911, 20.6852, 18.9149



44.4078, 23.2945, 16.2459



30.6959, 56.0080, 17.7668



13.9005, 13.7778, 15.2463



18.7198, 9.5549, 5.1903



1.3386, 0.6787, 0.5760

Previews

White Background



This preview shows how the XYZ color 31.7055, 17.1577, 73.5922 looks on a white background.

Color Contrast Check

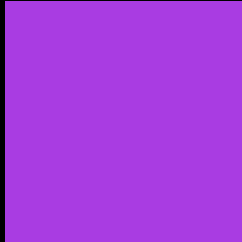
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7055, 17.1577, 73.5922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

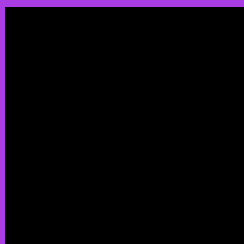
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.7055, 17.1577, 73.5922

Background



This preview shows how black text looks on a background with the XYZ color 31.7055, 17.1577, 73.5922.



This preview shows how white text looks on a background with the XYZ color 31.7055, 17.1577,

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

31.7055, 17.1577, 73.5922

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.7409, 17.4619, 61.4669



Tritanopia

20.0894, 17.0909, 16.7080

Trichromacy



Original Color

31.7055, 17.1577, 73.5922



Protanomaly

20.3171, 14.4726, 78.0666



Deuteranomaly

18.3368, 14.3965, 65.4307



Tritanomaly

22.9803, 16.2515, 31.6314

Monochromacy



Original Color

31.7055, 17.1577, 73.5922



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

19.3370, 15.1152, 32.0353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7055, 17.1577, 73.5922 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(169, 60, 226)` looks like.

```
.text, #text, p{  
    color:rgb(169, 60, 226)  
}
```

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(169, 60, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 60, 226) }
```

Border

The CSS property to change the border of an element to XYZ 31.7055, 17.1577, 73.5922 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(169, 60, 226) }
```


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

```
.border{ border-color:rgb(169, 60, 226) }
```

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

Here you see how a box with a 4 pixel rgb(169, 60, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 60, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 60, 226);  
box-shadow:4px 4px 4px 4px rgb(169, 60,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7055, 17.1577, 73.5922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 60, 226) }
```

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

```
.background{ background-color: rgb(169, 60,  
226) }
```

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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