

Converting Colors

XYZ(32.7398, 18.0632, 70.0937)

Have a look what the booklet for
XYZ(32.7398, 18.0632, 70.0937)
contains.

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Color

**XYZ(32.7890, 18.1174,
70.1754)**

Conversions

Conversions Part 1

Format	Color
Hex	B040DD
RGB	176, 64, 221
RGB Percent	69%, 25%, 87%
CMY	0.3098, 0.7490, 0.1333
CMYK	0.20, 0.71, 0.00, 0.13
HSL	283°, 70%, 56%
HSV	283°, 71%, 87%
XYZ	32.7890, 18.1174, 70.1754
YIQ	115.3860, 16.3550, 72.5710

Conversions

Conversions Part 2

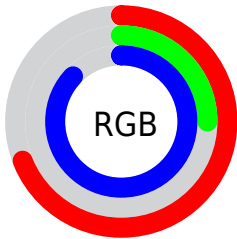
Format	Color
R _Y B	176, 64, 221
Decimal	11550941
CIE Lab	49.64, 67.75, -59.59
CIE LCh	50, 90.225, 318.666
Yxy	18.1174, 0.2708, 0.1496
Android (android.graphics.Color)	4289741021 (0xFFB040DD)
YUV	115.3860, 52.0677, 53.1585
Hunter-Lab	42.5645, 63.0170, -67.9552

Details

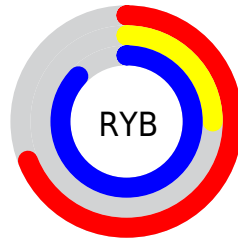
The XYZ color **32.7890, 18.1174, 70.1754** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **33.0891, 55.3347, 13.7878**, and the grayscale version is **16.2571, 17.1037, 18.6259**.

A 20% lighter version of the original color is **59.1483, 38.5569, 98.9325**, and **14.2627, 6.5682, 36.1134** is the 20% darker color. If you saturate the color by 10%, you get **30.3816, 15.3787, 69.7740**, and if you desaturate by 10%, it is **35.7583, 21.8788, 70.7452**.

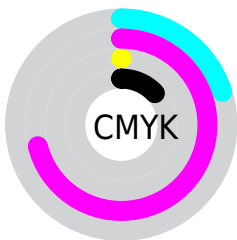
Distribution



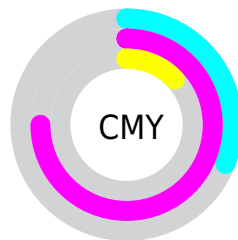
- Red (69%)
- Green (25%)
- Blue (87%)



- Red (69%)
- Yellow (25%)
- Blue (87%)



- Cyan (20%)
- Magenta (71%)
- Yellow (0%)
- Black (13%)



- Cyan (31%)
- Magenta (75%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7890, 18.1174, 70.1754 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 32.7890, 18.1174, 70.1754 by changing the saturation by 10% instead.

■ 32.7890, 18.1174,
70.1754

■ 32.7890, 18.1174,
70.1754

306.3797,
241.5319, 479.9714

■ 22.1233, 11.0343,
51.1919

■ 63.4029, 40.2373,
121.1423

■ 14.0646, 6.0899,
35.9835

■ 84.0817, 56.0428,
153.9628

■ 8.2476, 2.8998,
24.1319

■ 108.8290, 75.5247,
192.2326

■ 4.3070, 1.0797,
15.2184

■ 138.0102, 99.0672,
236.3703

■ 1.8772, 0.0000,
8.8245

■ 171.9904,
127.0548, 286.7946

■ 0.5635, 0.0000,
4.5316

211.1352,

■ 0.0000, 0.0000,

159.8719, 343.9238

1.9213

255.8099,
197.9028, 408.1765

■ 0.0000, 0.0000,
0.5062

■ 0.0000, 0.0000,
0.0000

■ 32.7890, 18.1174,
70.1754

■ 32.7890, 18.1174,
70.1754

■ 30.3816, 15.3787,
69.7740

■ 35.7583, 21.8788,
70.7452


■ 28.4705, 13.5357,
69.5190


■ 39.3400, 26.7655,
71.4997


■ 27.0844, 12.4549,
69.3834


■ 43.5814, 32.8696,
72.4544


■ 48.5239, 40.2731,
73.6229

 54.2057, 49.0506,
75.0176

 60.6617, 59.2710,
76.6501

 67.9247, 70.9987,
78.5310

 76.0254, 84.2939,
80.6703

 82.4191, 94.0660,
82.2195

Harmonies

Analogous

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



23.0493, 18.1174, 106.6907



32.7890, 18.1174, 70.1754



38.9507, 18.1174, 30.5279

Triad

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



32.7890, 18.1174, 70.1754



20.6649, 18.1174, 0.0000



5.8528, 18.1174, 39.0085

Complementary

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



32.7890, 18.1174, 70.1754



33.0891, 55.3347, 13.7878

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.



5.5912, 18.1174, 11.8313



32.7890, 18.1174, 70.1754



12.4671, 18.1174, 0.0073

Square

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



32.7890, 18.1174, 70.1754



30.5531, 18.1174, 1.2754



7.5754, 18.1174, 2.0936



8.4702, 18.1174, 80.5952

Rectangle

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



32.7890, 18.1174, 70.1754



39.1806, 18.1174, 13.4373



7.5754, 18.1174, 2.0936



5.5285, 18.1174, 27.7243

Sweetspot

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



32.7898, 18.1181, 70.1758



74.8587, 67.6677, 103.7234



20.8615, 17.7020, 70.7242



15.5329, 13.7199, 22.0795



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.



32.7898, 18.1181, 70.1758



40.7116, 19.9433, 96.3114



40.9033, 22.7398, 50.7203



13.2318, 13.0776, 16.4790



15.8505, 7.2954, 40.3111



1.1102, 0.5156, 2.6155

Inverse Universe

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



34.4130, 20.1437, 16.5431



44.2596, 23.5896, 14.3725



30.0551, 53.6368, 19.6918



13.2087, 13.1126, 14.3604



17.8914, 9.1576, 3.8084



1.1959, 0.6080, 0.4404

Previews

White Background



This preview shows how the XYZ color 32.7890, 18.1174, 70.1754 looks on a white background.

Color Contrast Check

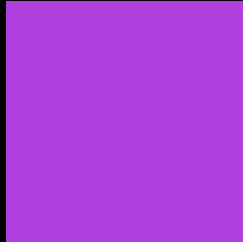
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.7890, 18.1174, 70.1754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

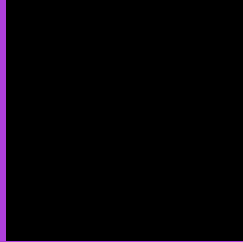
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.7890, 18.1174, 70.1754

Background



This preview shows how black text looks on a background with the XYZ color 32.7890, 18.1174, 70.1754.



This preview shows how white text looks on a background with the XYZ color 32.7890, 18.1174,

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

32.7890, 18.1174, 70.1754

Protanopia

22.0443, 18.4454, 86.4029

Deuteranopia

19.0098, 18.4121, 64.1800



Tritanopia

21.8639, 17.9995, 17.0737

Trichromacy



Original Color

32.7890, 18.1174, 70.1754



Protanomaly

21.1485, 15.3962, 79.6990



Deuteranomaly

20.3902, 15.8596, 66.2765



Tritanomaly

24.5118, 17.1808, 30.8785

Monochromacy



Original Color

32.7890, 18.1174, 70.1754



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

20.3321, 16.0172, 32.5919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7890, 18.1174, 70.1754 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(176, 64, 221)` looks like.

```
.text, #text, p{  
    color:rgb(176, 64, 221)  
}
```

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(176, 64, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 64, 221) }
```

Border

The CSS property to change the border of an element to XYZ 32.7890, 18.1174, 70.1754 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(176, 64, 221) }
```


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

```
.border{ border-color:rgb(176, 64, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 64, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 64, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 64, 221);  
box-shadow:4px 4px 4px 4px rgb(176, 64,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7890, 18.1174, 70.1754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 64, 221) }
```

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

```
.background{ background-color: rgb(176, 64,  
221) }
```

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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