

Converting Colors

XYZ(7.1788, 3.0121, 31.4577)

Have a look what the booklet for
XYZ(7.1788, 3.0121, 31.4577)
contains.

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Color

**XYZ(7.2197, 3.0287,
31.6566)**

Conversions

Conversions Part 1

Format	Color
Hex	30009C
RGB	48, 0, 156
RGB Percent	19%, 0%, 61%
CMY	0.8117, 1.0000, 0.3882
CMYK	0.69, 1.00, 0.00, 0.39
HSL	258°, 100%, 31%
HSV	258°, 100%, 61%
XYZ	7.2197, 3.0287, 31.6566
YIQ	32.1360, -21.4680, 58.6920

Conversions

Conversions Part 2

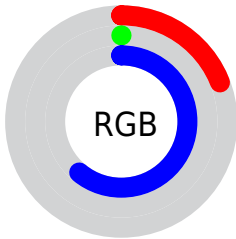
Format	Color
R_{YB}	48, 0, 156
Decimal	3145884
CIE _{Lab}	20.16, 55.90, -70.15
CIE _{LCh}	20, 89.699, 308.548
Yxy	3.0287, 0.1723, 0.0723
Android (android.graphics.Color)	4281335964 (0xFF30009C)
YUV	32.1360, 61.0650, 13.9127
Hunter-Lab	17.4032, 43.5952, -95.6672

Details

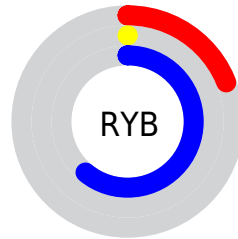
The XYZ color **7.2197, 3.0287, 31.6566** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **18.0721, 26.9648, 4.2522**, and the grayscale version is **1.3417, 1.4116, 1.5373**.

A 20% lighter version of the original color is **20.1297, 11.3261, 63.4126**, and **2.4482, 0.9793, 12.8919** is the 20% darker color. If you saturate the color by 10%, you get **7.2200, 3.0289, 31.6567**, and if you desaturate by 10%, it is **7.9724, 3.6830, 31.7433**.

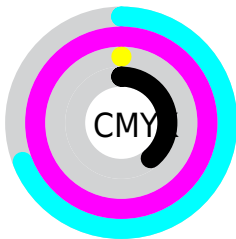
Distribution



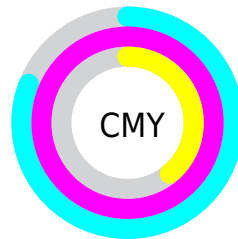
- Red (19%)
- Green (0%)
- Blue (61%)



- Red (19%)
- Yellow (0%)
- Blue (61%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)





- Cyan (81%)
- Magenta (100%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 7.2197, 3.0287, 31.6566 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 7.2197, 3.0287, 31.6566 by changing the saturation by 10% instead.

 7.2197, 3.0287,
31.6566


 7.2197, 3.0287,
31.6566


 163.9822,
128.6398, 323.9964


 3.6474, 1.1467,
20.8367


 20.1142, 11.3468,
63.3640


 1.5047, 0.0175,
12.8146


 30.1672, 18.5516,
85.0886


 0.3290, 0.0000,
7.1718


 43.1111, 28.2996,
111.2851

 0.0000, 0.0000,
3.4897

 59.3113, 40.9751,
142.3722

 0.0000, 0.0000,
1.3498

 79.1331, 56.9625,
178.7683


 0.0000, 0.0000,
0.1021


 102.9420, 76.6461,


 0.0000, 0.0000,


220.8920


0.0000

 131.1032,
100.4104, 269.1618


 7.2197, 3.0287,
31.6566

 7.2197, 3.0287,
31.6566


 7.2200, 3.0289,
31.6567

 7.9724, 3.6830,
31.7433

 8.9934, 4.6782,
31.8816

 10.3519, 6.1405,
32.0923

 12.0798, 8.1238,
32.3840

 14.2051, 10.6741,
32.7643

■ 16.7527, 13.8324,
33.2396

■ 19.7456, 17.6359,
33.8160

■ 23.2048, 22.1184,
34.4989

■ 27.1500, 27.3117,
35.2934

Harmonies

Analogous

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



3.6825, 3.0287, 46.9016



7.2197, 3.0287, 31.6566



10.4250, 3.0287, 11.7235

Triad

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



7.2197, 3.0287, 31.6566



5.1059, 3.0287, 0.0000



0.0000, 3.0287, 5.8983

Complementary

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



7.2197, 3.0287, 31.6566



18.0721, 26.9648, 4.2522

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.



0.0831, 3.0287, 0.1364



7.2197, 3.0287, 31.6566



2.2013, 3.0287, 0.0000

Square

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



7.2197, 3.0287, 31.6566



8.7781, 3.0287, 0.0000



0.7566, 3.0287, 0.0000



0.4086, 3.0287, 22.4990

Rectangle

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



7.2197, 3.0287, 31.6566



11.2543, 3.0287, 3.6717



0.7566, 3.0287, 0.0000



0.0000, 3.0287, 2.9500

Sweetspot

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



7.2200, 3.0289, 31.6567



35.5175, 31.5876, 61.3518



11.4908, 13.3804, 33.4297



7.3315, 6.3325, 13.4063



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



7.2200, 3.0289, 31.6567



12.9348, 5.4091, 57.4891



14.4291, 6.7453, 31.9941



6.4672, 6.5293, 8.3261



5.9791, 2.5114, 26.0768



0.1473, 0.0657, 0.4682

Inverse Universe

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



16.4168, 8.1505, 14.8935



29.7261, 14.7671, 26.5696



12.4596, 24.0715, 3.9896



6.8172, 6.7198, 7.8883



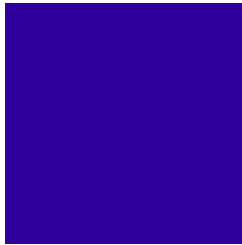
13.5383, 6.7199, 12.3517



0.2600, 0.1273, 0.3152

Previews

White Background



This preview shows how the XYZ color 7.2197, 3.0287, 31.6566 looks on a white background.

Color Contrast Check

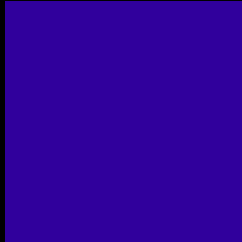
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 7.2197, 3.0287, 31.6566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

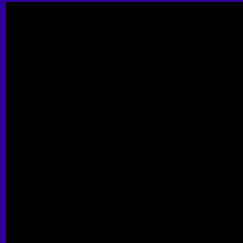
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.2197, 3.0287, 31.6566

Background



This preview shows how black text looks on a background with the XYZ color 7.2197, 3.0287, 31.6566.



This preview shows how white text looks on a background with the XYZ color 7.2197, 3.0287, 31.6566.

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

7.2197, 3.0287, 31.6566

Protanopia

3.6904, 3.3011, 13.8073

Deuteranopia

3.0763, 3.2675, 9.9197



Tritanopia

2.3554, 3.3630, 4.9399

Trichromacy



Original Color

7.2197, 3.0287, 31.6566

Protanomaly

4.3858, 2.6074, 19.3409

Deuteranomaly

3.7838, 2.4555, 15.8973

Tritanomaly

3.0041, 2.2868, 11.3494

Monochromacy



Original Color

7.2197, 3.0287, 31.6566

Achromatopsia

1.3729, 1.4444, 1.5729

Achromatomaly

2.3890, 1.4482, 7.1748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.2197, 3.0287, 31.6566 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(48, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(48, 0, 156)  
}
```

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(48, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 0, 156) }
```

Border

The CSS property to change the border of an element to XYZ 7.2197, 3.0287, 31.6566 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(48, 0, 156) }
```


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

```
.border{ border-color:rgb(48, 0, 156) }
```

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

Here you see how a box with a 4 pixel rgb(48, 0, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(48, 0, 156)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.2197, 3.0287, 31.6566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 0, 156) }
```

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

```
.background{ background-color: rgb(48, 0,  
156) }
```

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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