

Converting Colors

XYZ(10.4002, 4.7162, 29.6407)

Have a look what the booklet for
XYZ(10.4002, 4.7162, 29.6407)
contains.

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Color

**XYZ(10.4098, 4.7212,
29.6408)**

Conversions

Conversions Part 1

Format	Color
Hex	600097
RGB	96, 0, 151
RGB Percent	38%, 0%, 59%
CMY	0.6235, 1.0000, 0.4078
CMYK	0.36, 1.00, 0.00, 0.41
HSL	278°, 100%, 30%
HSV	278°, 100%, 59%
XYZ	10.4098, 4.7212, 29.6408
YIQ	45.9180, 8.7450, 67.3130

Conversions

Conversions Part 2

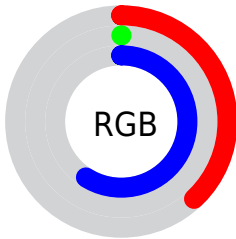
Format	Color
R_{YB}	96, 0, 151
Decimal	6291607
CIE _{Lab}	25.93, 58.51, -57.34
CIE _{LCh}	26, 81.921, 315.582
Yxy	4.7212, 0.2325, 0.1055
Android (android.graphics.Color)	4284481687 (0xFF600097)
YUV	45.9180, 51.8054, 43.9219
Hunter-Lab	21.7283, 47.4928, -65.6709

Details

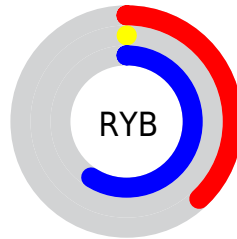
The XYZ color **10.4098, 4.7212, 29.6408** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **12.6422, 22.9455, 3.7627**, and the grayscale version is **2.5362, 2.6683, 2.9058**.

A 20% lighter version of the original color is **26.0966, 15.1459, 59.9405**, and **3.0515, 1.3129, 11.8970** is the 20% darker color. If you saturate the color by 10%, you get **10.4100, 4.7213, 29.6409**, and if you desaturate by 10%, it is **11.1814, 5.3747, 29.7264**.

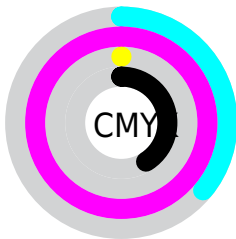
Distribution



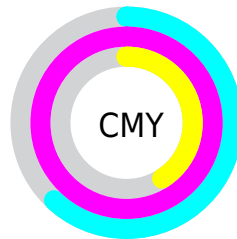
- Red (38%)
- Green (0%)
- Blue (59%)



- Red (38%)
- Yellow (0%)
- Blue (59%)



- Cyan (36%)
- Magenta (100%)
- Yellow (0%)
- Black (41%)



- Cyan (62%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4098, 4.7212, 29.6408 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 10.4098, 4.7212, 29.6408 by changing the saturation by 10% instead.

10.4098, 4.7212,
29.6408

10.4098, 4.7212,
29.6408

187.5655,
147.0990, 314.3816

5.7358, 2.0846,
19.3164

26.2062, 15.2135,
60.1479

2.7243, 0.6560,
11.7200

38.0594, 23.8380,
81.1677

1.0097, 0.0000,
6.4331

53.0364, 35.2273,
106.5897

0.0000, 0.0000,
3.0372

71.5025, 49.7657,
136.8324

0.0000, 0.0000,
1.1136

93.8231, 67.8377,
172.3144

0.0000, 0.0000,
0.0000


120.3636, 89.8276,

213.4543


 151.4893,
116.1199, 260.6705

 10.4098, 4.7212,
29.6408

 10.4098, 4.7212,
29.6408


 10.4100, 4.7213,
29.6409

 11.1814, 5.3747,
29.7264

 12.1190, 6.2991,
29.8554

 13.2820, 7.6121,
30.0475

 14.6944, 9.3601,
30.3105

 16.3766, 11.5830,
30.6509

■ 18.3466, 14.3160,
31.0746

■ 20.6210, 17.5908,
31.5868

■ 23.2148, 21.4367,
32.1924

■ 26.1419, 25.8806,
32.8959

Harmonies

Analogous

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



6.3343, 4.7212, 47.0414



10.4098, 4.7212, 29.6408



13.3725, 4.7212, 10.8360

Triad

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



10.4098, 4.7212, 29.6408



6.1849, 4.7212, 0.0000



0.8016, 4.7212, 11.4094

Complementary

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



10.4098, 4.7212, 29.6408



12.6422, 22.9455, 3.7627

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.



0.7911, 4.7212, 1.9013



10.4098, 4.7212, 29.6408



3.0396, 4.7212, 0.0000

Square

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



10.4098, 4.7212, 29.6408



10.2570, 4.7212, 0.0000



1.3875, 4.7212, 0.0000



1.4280, 4.7212, 30.4551

Rectangle

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



10.4098, 4.7212, 29.6408



13.7135, 4.7212, 3.6211



1.3875, 4.7212, 0.0000



0.7376, 4.7212, 7.0348

Sweetspot

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



10.4101, 4.7213, 29.6409



36.6684, 31.1214, 56.5081



6.9697, 5.0019, 29.8764



7.9629, 6.5346, 12.7591



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



10.4101, 4.7213, 29.6409



18.4369, 8.3489, 53.0734



16.8503, 8.2145, 22.1230



6.2429, 6.2111, 7.7988



8.8879, 4.0329, 25.2177



0.1725, 0.0807, 0.3789

Inverse Universe

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



13.4522, 6.8552, 4.2286



24.0101, 12.2443, 7.1464



11.1942, 22.1843, 4.3602



6.2971, 6.2580, 6.9449



11.4568, 5.8369, 3.6644



0.1878, 0.0939, 0.1416

Previews

White Background



This preview shows how the XYZ color 10.4098, 4.7212, 29.6408 looks on a white background.

Color Contrast Check

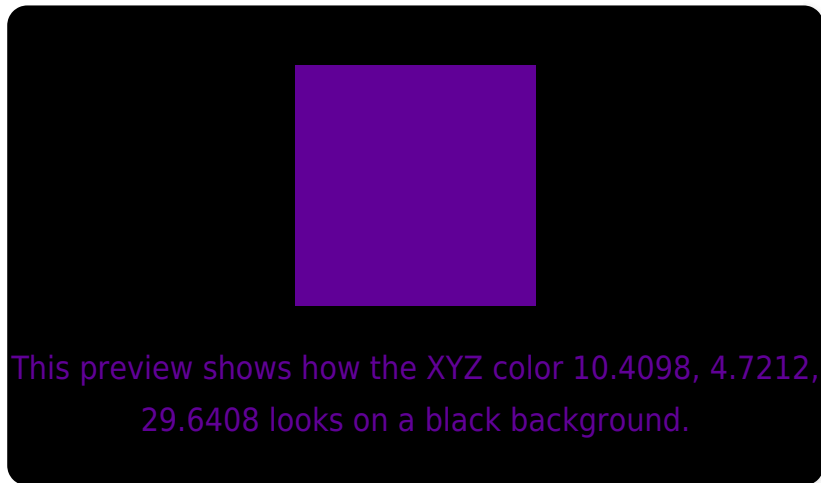
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

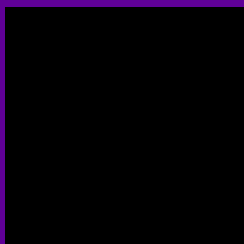
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.4098, 4.7212, 29.6408

Background



This preview shows how black text looks on a background with the XYZ color 10.4098, 4.7212, 29.6408.



This preview shows how white text looks on a background with the XYZ color 10.4098, 4.7212,

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

10.4098, 4.7212, 29.6408

Protanopia

5.8194, 5.0839, 22.1473

Deuteranopia

4.9289, 5.0887, 16.3452



Tritanopia

5.7138, 5.1604, 5.5454

Trichromacy



Original Color

10.4098, 4.7212, 29.6408

Protanomaly

6.0061, 3.6433, 24.4314

Deuteranomaly

5.3519, 3.5456, 20.4810

Tritanomaly

6.5507, 4.1620, 11.5244

Monochromacy



Original Color

10.4098, 4.7212, 29.6408

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.1540, 2.6088, 8.6721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4098, 4.7212, 29.6408 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(96, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(96, 0, 151)  
}
```

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(96, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 0, 151) }
```

Border

The CSS property to change the border of an element to XYZ 10.4098, 4.7212, 29.6408 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(96, 0, 151) }
```


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

```
.border{ border-color:rgb(96, 0, 151) }
```

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

Here you see how a box with a 4 pixel rgb(96, 0, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(96, 0, 151)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.4098, 4.7212, 29.6408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 0, 151) }
```

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

```
.background{ background-color: rgb(96, 0,  
151) }
```

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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