

Converting Colors

XYZ(12.3844, 5.3271, 48.3490)

Have a look what the booklet for
XYZ(12.3844, 5.3271, 48.3490)
contains.

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Color

**XYZ(12.4098, 5.3364,
48.5201)**

Conversions

Conversions Part 1

Format	Color
Hex	4F00BD
RGB	79, 0, 189
RGB Percent	31%, 0%, 74%
CMY	0.6902, 1.0000, 0.2588
CMYK	0.58, 1.00, 0.00, 0.26
HSL	265°, 100%, 37%
HSV	265°, 100%, 74%
XYZ	12.4098, 5.3364, 48.5201
YIQ	45.1670, -13.5850, 75.5270

Conversions

Conversions Part 2

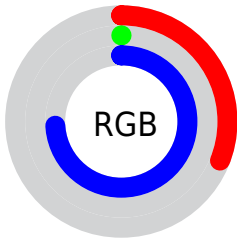
Format	Color
R _Y B	79, 0, 189
Decimal	5177533
CIE Lab	27.67, 65.41, -77.47
CIE LCh	28, 101.389, 310.178
Yxy	5.3364, 0.1873, 0.0805
Android (android.graphics.Color)	4283367613 (0xFF4F00BD)
YUV	45.1670, 70.9097, 29.6715
Hunter-Lab	23.1006, 55.4651, -108.3610

Details

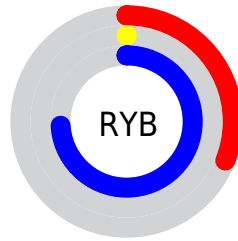
The XYZ color **12.4098, 5.3364, 48.5201** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **24.6274, 39.7100, 6.3668**, and the grayscale version is **2.4430, 2.5702, 2.7990**.

A 20% lighter version of the original color is **29.8401, 16.5124, 89.6101**, and **4.3031, 1.7212, 22.6597** is the 20% darker color. If you saturate the color by 10%, you get **12.4103, 5.3367, 48.5203**, and if you desaturate by 10%, it is **13.6335, 6.3104, 48.6438**.

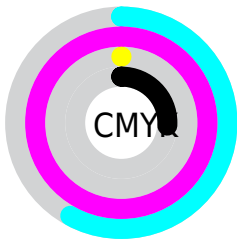
Distribution



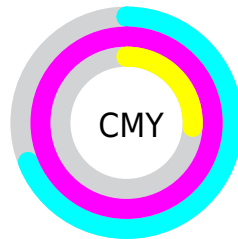
- Red (31%)
- Green (0%)
- Blue (74%)



- Red (31%)
- Yellow (0%)
- Blue (74%)



- Cyan (58%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)



- Cyan (69%)
- Magenta (100%)
- Yellow (26%)
- Black (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4098, 5.3364, 48.5201 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 12.4098, 5.3364, 48.5201 by changing the saturation by 10% instead.

■ 12.4098, 5.3364,
48.5201

■ 12.4098, 5.3364,
48.5201

200.8147,
153.0212, 397.4180

■ 7.0976, 2.4460,
33.8760

■ 29.8497, 16.5379,
89.3519

■ 3.5701, 0.8494,
22.5218

■ 42.7082, 25.6178,
116.3767

■ 1.4619, 0.0000,
14.0388

■ 58.8127, 37.5295,
148.3654

■ 0.2997, 0.0000,
8.0086

■ 78.5287, 52.6577,
185.7367

■ 0.0000, 0.0000,
4.0126

■ 102.2216, 71.3865,
228.9091


■ 0.0000, 0.0000,
1.6323

■ 130.2566, 94.1004,

■ 0.0000, 0.0000,

278.3011


0.3137

 162.9992,
121.1839, 334.3312

 0.0000, 0.0000,
0.0000


 12.4098, 5.3364,
48.5201


 12.4098, 5.3364,
48.5201


 12.4103, 5.3367,
48.5203

 13.6335, 6.3104,
48.6438

 15.2395, 7.8146,
48.8495

 17.3163, 10.0159,
49.1649

 19.9112, 12.9993,
49.6040

 23.0647, 16.8374,
50.1786

■ 26.8127, 21.5939,
50.8992

■ 31.1881, 27.3263,
51.7750

■ 36.2209, 34.0875,
52.8148

■ 41.9392, 41.9263,
54.0265

Harmonies

Analogous

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



6.6626, 5.3364, 73.0566



12.4098, 5.3364, 48.5201



17.3485, 5.3364, 17.9567

Triad

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



12.4098, 5.3364, 48.5201



8.3896, 5.3364, 0.0000



0.4756, 5.3364, 11.0233

Complementary

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



12.4098, 5.3364, 48.5201



24.6274, 39.7100, 6.3668

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.



0.5833, 5.3364, 0.9320



12.4098, 5.3364, 48.5201



3.7573, 5.3364, 0.0000

Square

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



12.4098, 5.3364, 48.5201



14.2641, 5.3364, 0.0000



1.4091, 5.3364, 0.0000



1.0337, 5.3364, 37.9181

Rectangle

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



12.4098, 5.3364, 48.5201



18.4743, 5.3364, 5.7377



1.4091, 5.3364, 0.0000



0.4367, 5.3364, 5.8838

Sweetspot

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



12.4103, 5.3367, 48.5203



55.4551, 48.4072, 92.6469



14.7883, 14.8801, 50.2370



11.1898, 9.4397, 19.7748



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



12.4103, 5.3367, 48.5203



21.9680, 9.4245, 86.8875



26.4743, 12.5869, 49.1785



9.3842, 9.4150, 11.9949



8.4329, 3.6334, 32.6498



0.4050, 0.1808, 1.2824

Inverse Universe

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



23.8005, 11.9445, 15.8013



42.5042, 21.3436, 27.6555



18.4071, 36.5033, 6.0757



9.7567, 9.6270, 11.1077



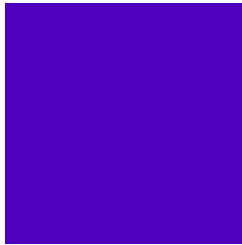
16.0525, 8.0521, 10.8359



0.6607, 0.3282, 0.5926

Previews

White Background



This preview shows how the XYZ color 12.4098, 5.3364, 48.5201 looks on a white background.

Color Contrast Check

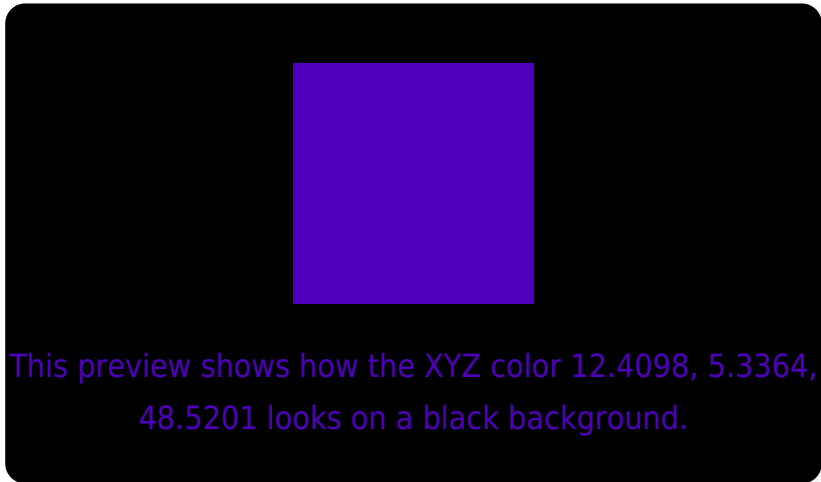
Large Text (above 18pt) WCAG AA ✓ Pass

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

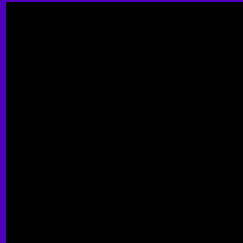
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4098, 5.3364, 48.5201

Background



This preview shows how black text looks on a background with the XYZ color 12.4098, 5.3364, 48.5201.



This preview shows how white text looks on a background with the XYZ color 12.4098, 5.3364,

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

12.4098, 5.3364, 48.5201

Protanopia

6.4057, 5.5867, 24.4076

Deuteranopia

5.4010, 5.6647, 17.6383



Tritanopia

4.4210, 5.6529, 8.2552

Trichromacy



Original Color

12.4098, 5.3364, 48.5201

Protanomaly

7.3004, 4.2474, 31.8875

Deuteranomaly

6.4030, 4.1212, 26.4446

Tritanomaly

5.6222, 3.9640, 17.9216

Monochromacy



Original Color

12.4098, 5.3364, 48.5201

Achromatopsia

2.4942, 2.6241, 2.8577

Achromatomaly

4.2844, 2.6117, 11.5875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4098, 5.3364, 48.5201 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(79, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(79, 0, 189)  
}
```

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(79, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 12.4098, 5.3364, 48.5201 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(79, 0, 189) }
```


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

```
.border{ border-color:rgb(79, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(79, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(79, 0, 189)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4098, 5.3364, 48.5201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 0, 189) }
```

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

```
.background{ background-color: rgb(79, 0,  
189) }
```

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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