

Converting Colors

XYZ(12.6319, 5.5038, 46.1381)

Have a look what the booklet for
XYZ(12.6319, 5.5038, 46.1381)
contains.

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Color

**XYZ(12.6874, 5.5290,
46.2974)**

Conversions

Conversions Part 1

Format	Color
Hex	5700B9
RGB	87, 0, 185
RGB Percent	34%, 0%, 73%
CMY	0.6588, 1.0000, 0.2745
CMYK	0.53, 1.00, 0.00, 0.27
HSL	268°, 100%, 36%
HSV	268°, 100%, 73%
XYZ	12.6874, 5.5290, 46.2974
YIQ	47.1030, -7.5330, 75.9790

Conversions

Conversions Part 2

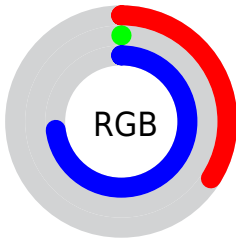
Format	Color
R_{YB}	87, 0, 185
Decimal	5701817
CIE Lab	28.19, 65.05, -74.20
CIE LCh	28, 98.679, 311.241
Yxy	5.5290, 0.1967, 0.0857
Android (android.graphics.Color)	4283891897 (0xFF5700B9)
YUV	47.1030, 67.9832, 34.9897
Hunter-Lab	23.5138, 55.1644, -100.2790

Details

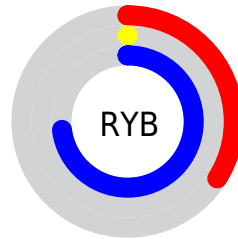
The XYZ color **12.6874, 5.5290, 46.2974** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **22.3856, 37.2945, 6.0187**, and the grayscale version is **2.6440, 2.7817, 3.0292**.

A 20% lighter version of the original color is **30.3679, 16.9629, 85.6780**, and **4.0293, 1.6117, 21.2178** is the 20% darker color. If you saturate the color by 10%, you get **12.6879, 5.5292, 46.2976**, and if you desaturate by 10%, it is **13.8904, 6.4824, 46.4182**.

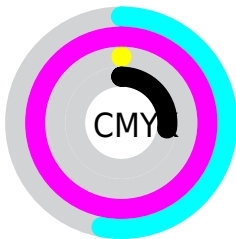
Distribution



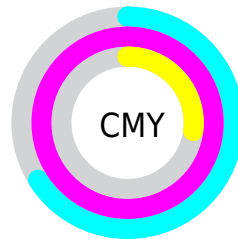
- Red (34%)
- Green (0%)
- Blue (73%)



- Red (34%)
- Yellow (0%)
- Blue (73%)



- Cyan (53%)
- Magenta (100%)
- Yellow (0%)
- Black (27%)



- Cyan (66%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6874, 5.5290, 46.2974 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 12.6874, 5.5290, 46.2974 by changing the saturation by 10% instead.

■ 12.6874, 5.5290,
46.2974

■ 12.6874, 5.5290,
46.2974

202.5828,
154.8112, 388.3153

■ 7.2892, 2.5609,
32.1302

■ 30.3471, 16.9458,
86.0029

■ 3.6915, 0.9070,
21.1953

■ 43.3394, 26.1632,
112.3782

■ 1.5291, 0.0000,
13.0742

■ 59.5936, 38.2325,
143.6601

■ 0.3455, 0.0000,
7.3484

■ 79.4752, 53.5381,
180.2669

■ 0.0000, 0.0000,
3.5992

■ 103.3496, 72.4644,
222.6173

■ 0.0000, 0.0000,
1.4081

■ 131.5821, 95.3958,

■ 0.0000, 0.0000,

271.1298

0.1480

 164.5380,
122.7166, 326.2230

 0.0000, 0.0000,
0.0000


 12.6874, 5.5290,
46.2974


 12.6874, 5.5290,
46.2974


 12.6879, 5.5292,
46.2976

 13.8904, 6.4824,
46.4182

 15.4344, 7.9272,
46.6157

 17.4032, 10.0236,
46.9166

 19.8399, 12.8514,
47.3340

 22.7813, 16.4785,
47.8790

■ 26.2603, 20.9645,
48.5616

■ 30.3066, 26.3636,
49.3904

■ 34.9475, 32.7251,
50.3737

■ 40.2086, 40.0946,
51.5189

Harmonies

Analogous

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



7.0135, 5.5290, 70.4445



12.6874, 5.5290, 46.2974



17.4025, 5.5290, 17.1100

Triad

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



12.6874, 5.5290, 46.2974



8.3435, 5.5290, 0.0000



0.6037, 5.5290, 11.8280

Complementary

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



12.6874, 5.5290, 46.2974



22.3856, 37.2945, 6.0187

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.



0.6854, 5.5290, 1.1960



12.6874, 5.5290, 46.2974



3.8184, 5.5290, 0.0000

Square

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



12.6874, 5.5290, 46.2974



14.0995, 5.5290, 0.0000



1.5004, 5.5290, 0.0000



1.1955, 5.5290, 38.3520

Rectangle

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



12.6874, 5.5290, 46.2974



18.3798, 5.5290, 5.5275



1.5004, 5.5290, 0.0000



0.5580, 5.5290, 6.5412

Sweetspot

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



12.6879, 5.5292, 46.2976



53.8989, 46.7033, 88.3785



13.1873, 12.3635, 47.5904



10.9435, 9.1600, 18.9129



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



12.6879, 5.5292, 46.2976



22.4589, 9.7662, 82.9060



27.3089, 13.0667, 46.9818



8.9119, 8.9210, 11.3316



8.7220, 3.8076, 31.5283



0.3790, 0.1711, 1.1148

Inverse Universe

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



22.2120, 11.1961, 12.5446



39.6623, 20.0043, 21.8395



17.4262, 34.7378, 5.7866



9.1980, 9.0896, 10.3902



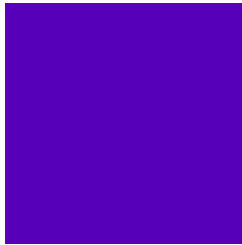
15.1615, 7.6383, 8.7371



0.5655, 0.2817, 0.4712

Previews

White Background



This preview shows how the XYZ color 12.6874, 5.5290, 46.2974 looks on a white background.

Color Contrast Check

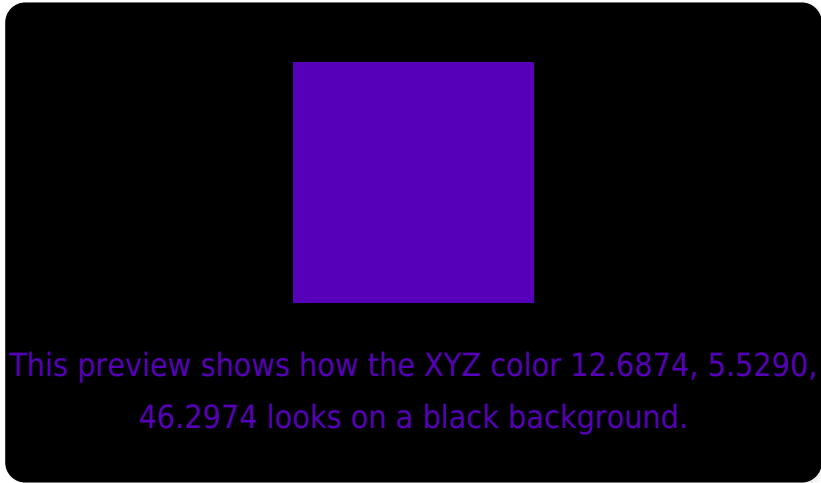
Large Text (above 18pt) WCAG AA ✓ Pass

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

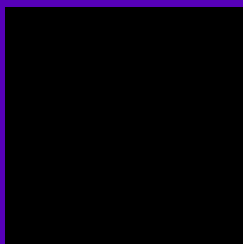
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6874, 5.5290, 46.2974

Background



This preview shows how black text looks on a background with the XYZ color 12.6874, 5.5290, 46.2974.



This preview shows how white text looks on a background with the XYZ color 12.6874, 5.5290,

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

12.6874, 5.5290, 46.2974

Protanopia

6.7408, 5.9078, 25.5960

Tritanopia

5.1607, 5.9417, 8.0826

Trichromacy



Original Color

12.6874, 5.5290, 46.2974

Protanomaly

7.4603, 4.4351, 31.9154

Tritanomaly

6.3679, 4.3622, 17.3360

Monochromacy



Original Color

12.6874, 5.5290, 46.2974

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.6085, 2.8157, 11.6099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6874, 5.5290, 46.2974 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(87, 0, 185)` looks like.

```
.text, #text, p{  
    color:rgb(87, 0, 185)  
}
```

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(87, 0, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 0, 185) }
```

Border

The CSS property to change the border of an element to XYZ 12.6874, 5.5290, 46.2974 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(87, 0, 185) }
```

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

```
.border{ border-color:rgb(87, 0, 185) }
```

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

Here you see how a box with a 4 pixel rgb(87, 0, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 0, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 0, 185);  
box-shadow:4px 4px 4px 4px rgb(87, 0, 185)  
}
```


Background

The CSS property to change the background color of an element to XYZ 12.6874, 5.5290, 46.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 0, 185) }
```

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

```
.background{ background-color: rgb(87, 0,  
185) }
```

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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