

Converting Colors

XYZ(12.9089, 5.5653, 49.8288)

Have a look what the booklet for
XYZ(12.9089, 5.5653, 49.8288)
contains.

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Color

**XYZ(12.8836, 5.5554,
49.6835)**

Conversions

Conversions Part 1

Format	Color
Hex	5200BF
RGB	82, 0, 191
RGB Percent	32%, 0%, 75%
CMY	0.6784, 1.0000, 0.2510
CMYK	0.57, 1.00, 0.00, 0.25
HSL	266°, 100%, 37%
HSV	266°, 100%, 75%
XYZ	12.8836, 5.5554, 49.6835
YIQ	46.2920, -12.4390, 76.7850

Conversions

Conversions Part 2

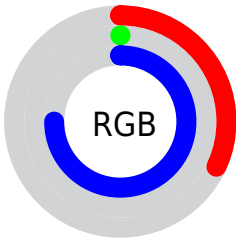
Format	Color
RYB	82, 0, 191
Decimal	5374143
CIELab	28.26, 66.06, -77.66
CIElCh	28, 101.956, 310.385
Yxy	5.5554, 0.1891, 0.0816
Android (android.graphics.Color)	4283564223 (0xFF5200BF)
YUV	46.2920, 71.3410, 31.3159
Hunter-Lab	23.5699, 56.3230, -108.4798

Details

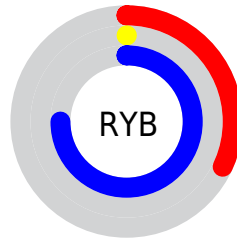
The XYZ color **12.8836, 5.5554, 49.6835** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **24.9370, 40.5127, 6.5054**, and the grayscale version is **2.5567, 2.6898, 2.9292**.

A 20% lighter version of the original color is **30.7286, 17.0251, 91.2891**, and **4.4439, 1.7776, 23.4014** is the 20% darker color. If you saturate the color by 10%, you get **12.8841, 5.5557, 49.6837**, and if you desaturate by 10%, it is **14.1431, 6.5529, 49.8098**.

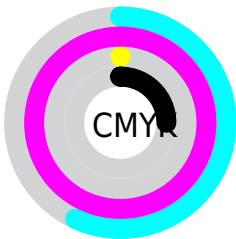
Distribution



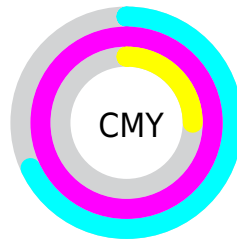
- Red (32%)
- Green (0%)
- Blue (75%)



- Red (32%)
- Yellow (0%)
- Blue (75%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)



- Cyan (68%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8836, 5.5554, 49.6835 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 12.8836, 5.5554, 49.6835 by changing the saturation by 10% instead.

■ 12.8836, 5.5554,
49.6835

■ 12.8836, 5.5554,
49.6835

203.8230,
155.0544, 402.1265

■ 7.4249, 2.5767,
34.7926

■ 30.6976, 17.0015,
91.0972

■ 3.7779, 0.9150,
23.2209

■ 43.7836, 26.2376,
118.4571

■ 1.5773, 0.0000,
14.5498

■ 60.1428, 38.3283,
150.8104

■ 0.3775, 0.0000,
8.3610

■ 80.1404, 53.6580,
188.5756

■ 0.0000, 0.0000,
4.2357

■ 104.1419, 72.6110,
232.1712


■ 0.0000, 0.0000,
1.7555

■ 132.5126, 95.5719,

■ 0.0000, 0.0000,

282.0159

0.3984


 165.6179,
122.9249, 338.5282

 0.0000, 0.0000,
0.0000


 12.8836, 5.5554,
49.6835


 12.8836, 5.5554,
49.6835


 12.8841, 5.5557,
49.6837

 14.1431, 6.5529,
49.8098

 15.7897, 8.0920,
50.0201

 17.9133, 10.3424,
50.3426

 20.5619, 13.3913,
50.7915

 23.7766, 17.3128,
51.3790

■ 27.5941, 22.1724,
52.1157

■ 32.0477, 28.0288,
53.0114

■ 37.1680, 34.9360,
54.0748

■ 42.9834, 42.9441,
55.3140

Harmonies

Analogous

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



6.9580, 5.5554, 74.9616



12.8836, 5.5554, 49.6835



17.9422, 5.5554, 18.3832

Triad

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



12.8836, 5.5554, 49.6835



8.6623, 5.5554, 0.0000



0.5256, 5.5554, 11.5565

Complementary

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



12.8836, 5.5554, 49.6835



24.9370, 40.5127, 6.5054

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.



0.6293, 5.5554, 1.0147



12.8836, 5.5554, 49.6835



3.8965, 5.5554, 0.0000

Square

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



12.8836, 5.5554, 49.6835



14.7093, 5.5554, 0.0000



1.4753, 5.5554, 0.0000



1.1007, 5.5554, 39.2790

Rectangle

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



12.8836, 5.5554, 49.6835



19.0750, 5.5554, 5.8873



1.4753, 5.5554, 0.0000



0.4849, 5.5554, 6.2135

Sweetspot

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



12.8841, 5.5557, 49.6837



56.9920, 49.6596, 94.8606



15.1340, 15.2217, 51.4308



11.7411, 9.8805, 20.6736



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



12.8841, 5.5557, 49.6837



22.8100, 9.8134, 88.9711



27.1020, 12.8852, 50.3491



9.3945, 9.4202, 11.9954



8.5557, 3.6967, 32.6555



0.4101, 0.1835, 1.2826

Inverse Universe

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



24.2460, 12.1804, 15.5399



43.3004, 21.7655, 27.1775



18.8431, 37.3712, 6.2202



9.7521, 9.6251, 11.0836



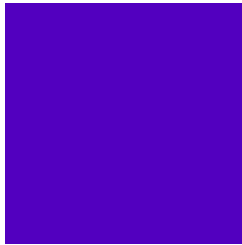
15.9751, 8.0212, 10.4285



0.6579, 0.3271, 0.5779

Previews

White Background



This preview shows how the XYZ color 12.8836, 5.5554, 49.6835 looks on a white background.

Color Contrast Check

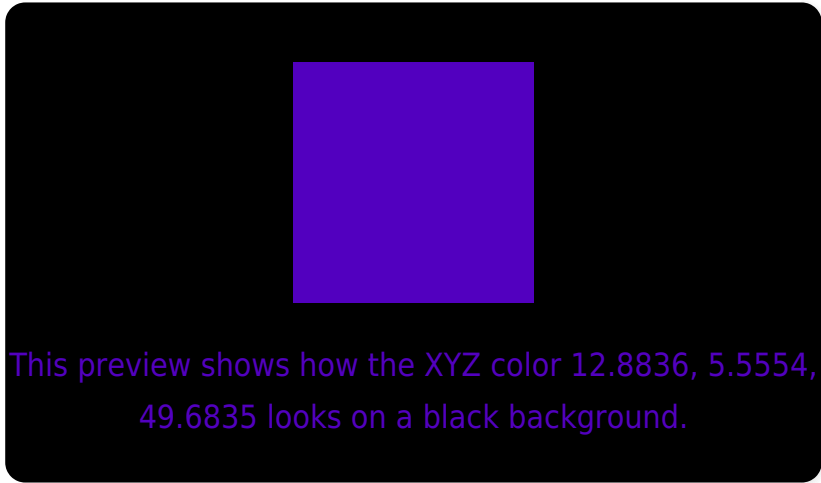
Large Text (above 18pt) WCAG AA ✓ Pass

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

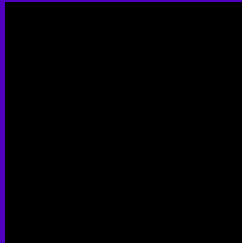
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8836, 5.5554, 49.6835

Background



This preview shows how black text looks on a background with the XYZ color 12.8836, 5.5554, 49.6835.



This preview shows how white text looks on a background with the XYZ color 12.8836, 5.5554,

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

12.8836, 5.5554, 49.6835

Protanopia

6.7408, 5.9078, 25.5960

Deuteranopia

5.5830, 5.8384, 18.2854



Tritanopia

4.7334, 5.9081, 8.4803

Trichromacy



Original Color

12.8836, 5.5554, 49.6835

Protanomaly

7.6573, 4.5070, 33.2672

Deuteranomaly

6.5846, 4.1971, 27.2511

Tritanomaly

5.9822, 4.2013, 18.2649

Monochromacy



Original Color

12.8836, 5.5554, 49.6835

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.4951, 2.7094, 12.0904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8836, 5.5554, 49.6835 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(82, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(82, 0, 191)  
}
```

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(82, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 12.8836, 5.5554, 49.6835 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(82, 0, 191) }
```


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

```
.border{ border-color:rgb(82, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(82, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(82, 0, 191)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8836, 5.5554, 49.6835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 0, 191) }
```

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

```
.background{ background-color: rgb(82, 0,  
191) }
```

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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