

Converting Colors

XYZ(12.8171, 5.2398, 62.3920)

Have a look what the booklet for
XYZ(12.8171, 5.2398, 62.3920)
contains.

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Color

**XYZ(12.8799, 5.2671,
62.6252)**

Conversions

Conversions Part 1

Format	Color
Hex	2B00D4
RGB	43, 0, 212
RGB Percent	17%, 0%, 83%
CMY	0.8313, 1.0000, 0.1686
CMYK	0.80, 1.00, 0.00, 0.17
HSL	252°, 100%, 42%
HSV	252°, 100%, 83%
XYZ	12.8799, 5.2671, 62.6252
YIQ	37.0250, -42.4240, 75.0480

Conversions

Conversions Part 2

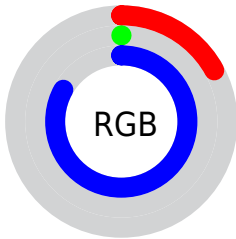
Format	Color
R _Y B	43, 0, 212
Decimal	2818260
CIE Lab	27.48, 69.39, -91.36
CIE LCh	27, 114.724, 307.221
Yxy	5.2671, 0.1595, 0.0652
Android (android.graphics.Color)	4281008340 (0xFF2B00D4)
YUV	37.0250, 86.2627, 5.2401
Hunter-Lab	22.9502, 60.0135, -145.7223

Details

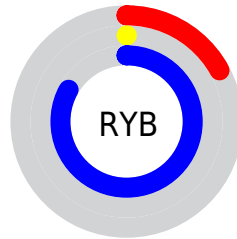
The XYZ color **12.8799, 5.2671, 62.6252** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **39.9030, 55.5208, 8.6135**, and the grayscale version is **1.6949, 1.7832, 1.9419**.

A 20% lighter version of the original color is **28.0832, 15.3719, 96.0947**, and **6.0008, 2.4003, 31.5995** is the 20% darker color. If you saturate the color by 10%, you get **12.8805, 5.2674, 62.6254**, and if you desaturate by 10%, it is **14.0137, 6.2551, 62.7564**.

Distribution



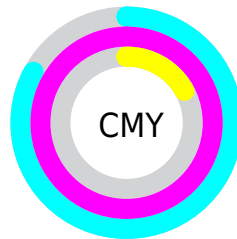
- Red (17%)
- Green (0%)
- Blue (83%)



- Red (17%)
- Yellow (0%)
- Blue (83%)



- Cyan (80%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (83%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8799, 5.2671, 62.6252 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 12.8799, 5.2671, 62.6252 by changing the saturation by 10% instead.

■ 12.8799, 5.2671,
62.6252

■ 12.8799, 5.2671,
62.6252

203.7997,
152.3701, 452.2784

■ 7.4223, 2.4048,
45.0990

■ 30.6910, 16.3904,
110.2090

■ 3.7763, 0.8284,
31.1919

■ 43.7752, 25.4202,
141.1036

■ 1.5764, 0.0000,
20.4853

■ 60.1324, 37.2746,
177.2915

■ 0.3769, 0.0000,
12.5608

■ 80.1279, 52.3381,
219.1912

■ 0.0000, 0.0000,
6.9996

■ 104.1270, 70.9950,
267.2212


■ 0.0000, 0.0000,
3.3834


■ 132.4951, 93.6297,

■ 0.0000, 0.0000,


321.8000

1.2936


 165.5975,
120.6266, 383.3462

 0.0000, 0.0000,
0.0565

 0.0000, 0.0000,
0.0000


 12.8799, 5.2671,
62.6252


 12.8799, 5.2671,
62.6252

 12.8805, 5.2674,
62.6254

 14.0137, 6.2551,
62.7564

 15.7712, 8.0078,
63.0020

 18.2810, 10.7397,
63.3971

 21.6228, 14.5732,
63.9609

■ 25.8658, 19.6126,
64.7100

■ 31.0715, 25.9499,
65.6588

■ 37.2958, 33.6678,
66.8204

■ 44.5903, 42.8423,
68.2068

■ 53.0030, 53.5437,
69.8290

Harmonies

Analogous

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



6.2529, 5.2671, 91.5723



12.8799, 5.2671, 62.6252



19.1656, 5.2671, 23.1614

Triad

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



12.8799, 5.2671, 62.6252



9.4758, 5.2671, 0.0000



0.1134, 5.2671, 9.7214

Complementary

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



12.8799, 5.2671, 62.6252



39.9030, 55.5208, 8.6135

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.



0.3096, 5.2671, 0.2073



12.8799, 5.2671, 62.6252



3.9374, 5.2671, 0.0000

Square

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



12.8799, 5.2671, 62.6252



16.4747, 5.2671, 0.0000



1.2503, 5.2671, 0.0000



0.6616, 5.2671, 40.9498

Rectangle

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



12.8799, 5.2671, 62.6252



20.9463, 5.2671, 7.1087



1.2503, 5.2671, 0.0000



0.0945, 5.2671, 4.5507

Sweetspot

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



12.8805, 5.2674, 62.6254



56.3236, 50.7323, 101.4315



26.1836, 33.3533, 67.3454



11.1564, 9.7395, 21.5419



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



12.8805, 5.2674, 62.6254



19.4527, 7.9431, 95.1156



24.1690, 11.0868, 63.1537



11.9756, 12.1288, 15.6474



8.0182, 3.2860, 38.6648



0.5526, 0.2338, 2.3353

Inverse Universe

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



34.3117, 16.8612, 38.9760



52.0508, 25.5843, 58.8591



25.6320, 48.1638, 7.9456



12.8400, 12.5875, 15.0978



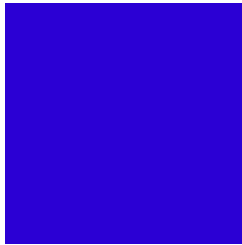
21.2191, 10.4240, 24.2556



1.3078, 0.6399, 1.6102

Previews

White Background



This preview shows how the XYZ color 12.8799, 5.2671, 62.6252 looks on a white background.

Color Contrast Check

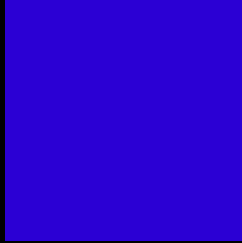
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8799, 5.2671, 62.6252 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 12.8799, 5.2671, 62.6252

Background



This preview shows how black text looks on a background with the XYZ color 12.8799, 5.2671, 62.6252.



This preview shows how white text looks on a background with the XYZ color 12.8799, 5.2671,

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

12.8799, 5.2671, 62.6252

Protanopia

6.2066, 5.4161, 23.6400

Deuteranopia

5.2226, 5.4940, 17.0049



Tritanopia

3.8239, 5.4476, 8.0577

Trichromacy



Original Color

12.8799, 5.2671, 62.6252

Protanomaly

7.6175, 4.3404, 35.0866

Deuteranomaly

6.6194, 4.1135, 29.2993

Tritanomaly

5.0610, 3.6755, 20.5214

Monochromacy



Original Color

12.8799, 5.2671, 62.6252

Achromatopsia

1.7584, 1.8500, 2.0147

Achromatomaly

3.5123, 2.0242, 12.5175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8799, 5.2671, 62.6252 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(43, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(43, 0, 212)  
}
```

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(43, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 12.8799, 5.2671, 62.6252 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(43, 0, 212) }
```


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

```
.border{ border-color:rgb(43, 0, 212) }
```

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

Here you see how a box with a 4 pixel rgb(43, 0, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(43, 0, 212)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8799, 5.2671, 62.6252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 0, 212) }
```

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

```
.background{ background-color: rgb(43, 0,  
212) }
```

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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