

Converting Colors

XYZ(12.3254, 4.9863, 62.3690)

Have a look what the booklet for
XYZ(12.3254, 4.9863, 62.3690)
contains.

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Color

**XYZ(12.3626, 5.0003,
62.6009)**

Conversions

Conversions Part 1

Format	Color
Hex	1C00D4
RGB	28, 0, 212
RGB Percent	11%, 0%, 83%
CMY	0.8901, 1.0000, 0.1686
CMYK	0.87, 1.00, 0.00, 0.17
HSL	248°, 100%, 42%
HSV	248°, 100%, 83%
XYZ	12.3626, 5.0003, 62.6009
YIQ	32.5400, -51.3640, 71.8680

Conversions

Conversions Part 2

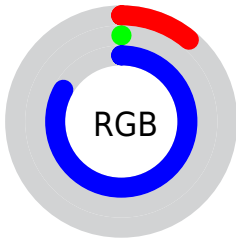
Format	Color
RYB	28, 0, 212
Decimal	1835220
CIELab	26.74, 69.13, -92.62
CIELCh	27, 115.575, 306.736
Yxy	5.0003, 0.1546, 0.0625
Android (android.graphics.Color)	4280025300 (0xFF1C00D4)
YUV	32.5400, 88.4738, -3.9816
Hunter-Lab	22.3614, 59.5524, -150.3302

Details

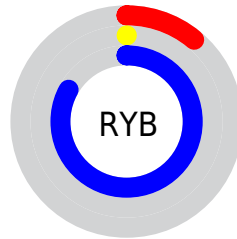
The XYZ color **12.3626, 5.0003, 62.6009** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **43.3045, 57.2742, 8.7726**, and the grayscale version is **1.3535, 1.4240, 1.5507**.

A 20% lighter version of the original color is **27.0684, 14.7613, 96.0303**, and **5.9164, 2.3666, 31.1553** is the 20% darker color. If you saturate the color by 10%, you get **12.3633, 5.0007, 62.6012**, and if you desaturate by 10%, it is **13.3015, 5.8879, 62.7230**.

Distribution



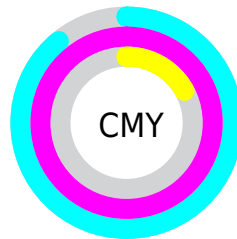
- Red (11%)
- Green (0%)
- Blue (83%)



- Red (11%)
- Yellow (0%)
- Blue (83%)



- Cyan (87%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (89%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3626, 5.0003, 62.6009 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 12.3626, 5.0003, 62.6009 by changing the saturation by 10% instead.


 12.3626, 5.0003,
62.6009

 12.3626, 5.0003,
62.6009


200.5125,
149.8264, 452.1876


 7.0651, 2.2474,
45.0795


 29.7650, 15.8186,
110.1735


 3.5495, 0.7457,
31.1766


 42.6005, 24.6529,
141.0618


 1.4506, 0.0000,
20.4738


 58.6795, 36.2830,
177.2429

 0.2918, 0.0000,
12.5524

 78.3672, 51.0935,
219.1351

 0.0000, 0.0000,
6.9940

 102.0290, 69.4687,
267.1572


 0.0000, 0.0000,
3.3800


 130.0302, 91.7930,

 0.0000, 0.0000,


321.7276


1.2918


 162.7363,
118.4508, 383.2649


 0.0000, 0.0000,
0.0550


 0.0000, 0.0000,
0.0000


 12.3626, 5.0003,
62.6009


 12.3626, 5.0003,
62.6009

 12.3633, 5.0007,
62.6012

 13.3015, 5.8879,
62.7230

 14.8941, 7.5557,
62.9609

 17.2812, 10.2243,
63.3502

 20.5525, 14.0214,
63.9107

■ 24.7853, 19.0556,
64.6593

■ 30.0483, 25.4224,
65.6108

■ 36.4037, 33.2079,
66.7786

■ 43.9090, 42.4910,
68.1749

■ 52.6173, 53.3449,
69.8109

Harmonies

Analogous

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



5.8810, 5.0003, 91.1016



12.3626, 5.0003, 62.6009



18.6185, 5.0003, 23.1275

Triad

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



12.3626, 5.0003, 62.6009



9.2339, 5.0003, 0.0000



0.0113, 5.0003, 9.0364

Complementary

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



12.3626, 5.0003, 62.6009



43.3045, 57.2742, 8.7726

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.



0.2212, 5.0003, 0.0313



12.3626, 5.0003, 62.6009



3.7787, 5.0003, 0.0000

Square

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



12.3626, 5.0003, 62.6009



16.1308, 5.0003, 0.0000



1.1587, 5.0003, 0.0000



0.5521, 5.0003, 39.6420

Rectangle

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



12.3626, 5.0003, 62.6009



20.4467, 5.0003, 7.0374



1.1587, 5.0003, 0.0000



0.0000, 5.0003, 4.1121

Sweetspot

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



12.3633, 5.0007, 62.6012



54.9605, 50.0296, 101.3677



29.7107, 40.4075, 68.5211



10.8438, 9.5783, 21.5272



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.



12.3633, 5.0007, 62.6012



18.7002, 7.5552, 95.0804



21.2025, 9.5575, 63.0148



11.8937, 12.0866, 15.6436



7.6803, 3.1119, 38.6490



0.5142, 0.2140, 2.3335

Inverse Universe

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



35.8005, 17.4567, 46.8157



54.3297, 26.4959, 70.8595



26.9598, 48.8483, 8.0077



12.8791, 12.6031, 15.3036



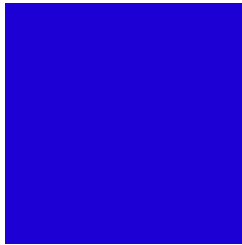
22.1281, 10.7876, 29.0425



1.3547, 0.6587, 1.8574

Previews

White Background



This preview shows how the XYZ color 12.3626, 5.0003, 62.6009 looks on a white background.

Color Contrast Check

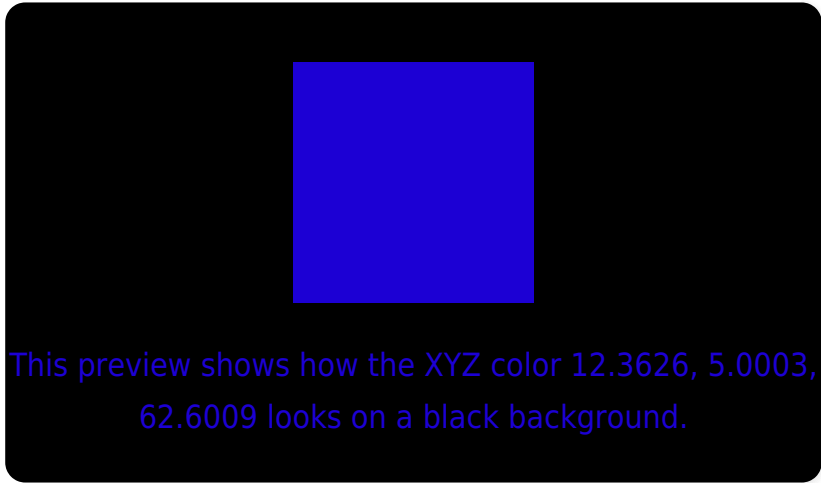
Large Text (above 18pt) WCAG AA ✓ Pass

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

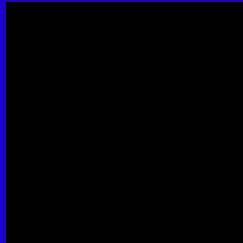
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3626, 5.0003, 62.6009

Background



This preview shows how black text looks on a background with the XYZ color 12.3626, 5.0003, 62.6009.



This preview shows how white text looks on a background with the XYZ color 12.3626, 5.0003,

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

12.3626, 5.0003, 62.6009

Protanopia

5.9424, 5.2210, 22.5243

Deuteranopia

4.9318, 5.1842, 16.0699



Tritanopia

3.6219, 5.1565, 7.6419

Trichromacy



Original Color

12.3626, 5.0003, 62.6009

Protanomaly

7.3170, 4.1553, 34.1346

Deuteranomaly

6.3343, 3.9304, 28.4418

Tritanomaly

4.8038, 3.4992, 19.8243

Monochromacy



Original Color

12.3626, 5.0003, 62.6009

Achromatopsia

1.4456, 1.5209, 1.6562

Achromatomaly

3.0378, 1.7095, 11.7251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3626, 5.0003, 62.6009 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(28, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(28, 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(28, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 12.3626, 5.0003, 62.6009 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(28, 0, 212) }
```


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

```
.border{ border-color:rgb(28, 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(28, 0, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(28, 0, 212)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3626, 5.0003, 62.6009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 0, 212) }
```

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

```
.background{ background-color: rgb(28, 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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