

Converting Colors

XYZ(12.2311, 4.9377, 62.3645)

Have a look what the booklet for
XYZ(12.2311, 4.9377, 62.3645)
contains.

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Color

**XYZ(12.2846, 4.9601,
62.5973)**

Conversions

Conversions Part 1

Format	Color
Hex	1900D4
RGB	25, 0, 212
RGB Percent	10%, 0%, 83%
CMY	0.9019, 1.0000, 0.1686
CMYK	0.88, 1.00, 0.00, 0.17
HSL	247°, 100%, 42%
HSV	247°, 100%, 83%
XYZ	12.2846, 4.9601, 62.5973
YIQ	31.6430, -53.1520, 71.2320

Conversions

Conversions Part 2

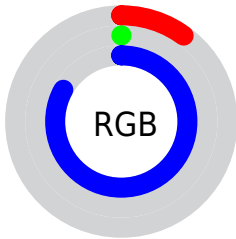
Format	Color
R_{YB}	25, 0, 212
Decimal	1638612
CIE _{Lab}	26.62, 69.09, -92.82
CIE _{LCh}	27, 115.708, 306.663
Yxy	4.9601, 0.1539, 0.0621
Android (android.graphics.Color)	4279828692 (0xFF1900D4)
YUV	31.6430, 88.9160, -5.8259
Hunter-Lab	22.2713, 59.4839, -151.0549

Details

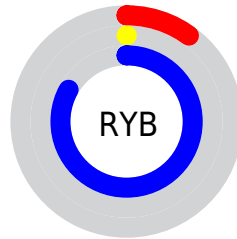
The XYZ color **12.2846, 4.9601, 62.5973** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **44.0303, 57.6485, 8.8066**, and the grayscale version is **1.2905, 1.3577, 1.4785**.

A 20% lighter version of the original color is **26.9376, 14.6938, 96.0242**, and **5.9164, 2.3666, 31.1553** is the 20% darker color. If you saturate the color by 10%, you get **12.2853, 4.9605, 62.5976**, and if you desaturate by 10%, it is **13.1825, 5.8266, 62.7174**.

Distribution



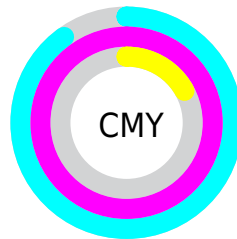
- Red (10%)
- Green (0%)
- Blue (83%)



- Red (10%)
- Yellow (0%)
- Blue (83%)



- Cyan (88%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (90%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2846, 4.9601, 62.5973 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 12.2846, 4.9601, 62.5973 by changing the saturation by 10% instead.

■ 12.2846, 4.9601,
62.5973

■ 12.2846, 4.9601,
62.5973

200.0121,
149.4379, 452.1742

■ 7.0114, 2.2239,
45.0766

■ 29.6248, 15.7319,
110.1683

■ 3.5156, 0.7330,
31.1744

■ 42.4224, 24.5363,
141.0557

■ 1.4319, 0.0000,
20.4721

■ 58.4590, 36.1322,
177.2357

■ 0.2788, 0.0000,
12.5512

■ 78.0997, 50.9039,
219.1268

■ 0.0000, 0.0000,
6.9932

■ 101.7101, 69.2360,
267.1478


■ 0.0000, 0.0000,
3.3794


■ 129.6553, 91.5128,

■ 0.0000, 0.0000,


321.7169

1.2915


 162.3009,
118.1186, 383.2529

 0.0000, 0.0000,
0.0548

 0.0000, 0.0000,
0.0000


 12.2846, 4.9601,
62.5973


 12.2846, 4.9601,
62.5973

 12.2853, 4.9605,
62.5976

 13.1825, 5.8266,
62.7174

 14.7391, 7.4758,
62.9537

 17.0982, 10.1300,
63.3417

 20.3518, 13.9180,
63.9014

■ 24.5790, 18.9492,
64.6497

■ 29.8502, 25.3203,
65.6016

■ 36.2291, 33.1179,
66.7705

■ 43.7745, 42.4217,
68.1686

■ 52.5407, 53.3054,
69.8074

Harmonies

Analogous

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



5.8254, 4.9601, 91.0309



12.2846, 4.9601, 62.5973



18.5357, 4.9601, 23.1218

Triad

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



12.2846, 4.9601, 62.5973



9.1970, 4.9601, 0.0000



0.0000, 4.9601, 8.9345

Complementary

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



12.2846, 4.9601, 62.5973



44.0303, 57.6485, 8.8066

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.



0.2076, 4.9601, 0.0043



12.2846, 4.9601, 62.5973



3.7546, 4.9601, 0.0000

Square

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



12.2846, 4.9601, 62.5973



16.0784, 4.9601, 0.0000



1.1450, 4.9601, 0.0000



0.5353, 4.9601, 39.4450

Rectangle

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



12.2846, 4.9601, 62.5973



20.3709, 4.9601, 7.0261



1.1450, 4.9601, 0.0000



0.0000, 4.9601, 4.0476

Sweetspot

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



12.2853, 4.9605, 62.5976



54.6938, 49.8921, 101.3552



29.7107, 40.4075, 68.5211



10.7829, 9.5470, 21.5244



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.



12.2853, 4.9605, 62.5976



18.5885, 7.4976, 95.0752



21.2026, 9.5575, 63.0149



11.8774, 12.0782, 15.6428



7.6284, 3.0851, 38.6466



0.5066, 0.2100, 2.3332

Inverse Universe

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



36.1182, 17.5838, 48.4886



54.8164, 26.6905, 73.4222



26.9598, 48.8483, 8.0077



12.8870, 12.6063, 15.3449



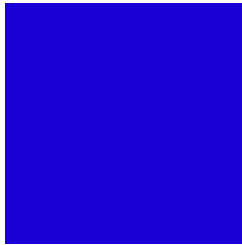
22.3219, 10.8651, 30.0628



1.3646, 0.6626, 1.9094

Previews

White Background



This preview shows how the XYZ color 12.2846, 4.9601, 62.5973 looks on a white background.

Color Contrast Check

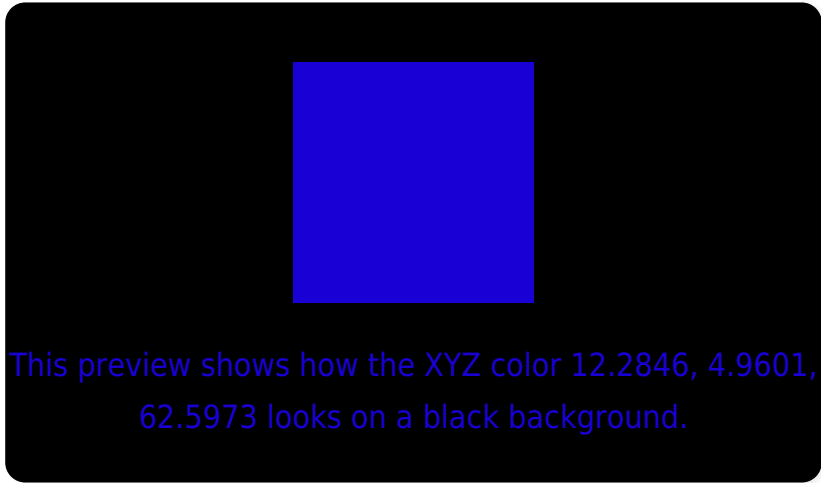
Large Text (above 18pt) WCAG AA ✓ Pass

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

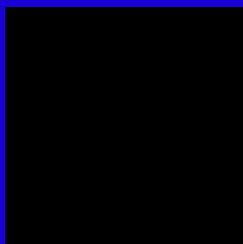
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2846, 4.9601, 62.5973

Background



This preview shows how black text looks on a background with the XYZ color 12.2846, 4.9601, 62.5973.



This preview shows how white text looks on a background with the XYZ color 12.2846, 4.9601,

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

12.2846, 4.9601, 62.5973

Protanopia

5.8742, 5.1937, 22.1656

Deuteranopia

4.8764, 5.1620, 15.7783



Tritanopia

3.5874, 5.1427, 7.4602

Trichromacy



Original Color

12.2846, 4.9601, 62.5973

Protanomaly

7.2166, 4.1137, 33.6714

Deuteranomaly

6.3218, 3.9239, 28.4412

Tritanomaly

4.7913, 3.4927, 19.8237

Monochromacy



Original Color

12.2846, 4.9601, 62.5973

Achromatopsia

1.3729, 1.4444, 1.5729

Achromatomaly

2.9145, 1.6246, 11.4692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2846, 4.9601, 62.5973 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(25, 0, 212)` looks like.

```
.text, #text, p{  
    color:rgb(25, 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(25, 0, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 0, 212) }
```

Border

The CSS property to change the border of an element to XYZ 12.2846, 4.9601, 62.5973 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(25, 0, 212) }
```


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

```
.border{ border-color:rgb(25, 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(25, 0, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 0, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 0, 212);  
box-shadow:4px 4px 4px 4px rgb(25, 0, 212)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2846, 4.9601, 62.5973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 0, 212) }
```

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

```
.background{ background-color: rgb(25, 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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