

Converting Colors

XYZ(12.7213, 5.2001, 61.9606)

Have a look what the booklet for
XYZ(12.7213, 5.2001, 61.9606)
contains.

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Color

**XYZ(12.7127, 5.1954,
61.9608)**

Conversions

Conversions Part 1

Format	Color
Hex	2A00D3
RGB	42, 0, 211
RGB Percent	16%, 0%, 83%
CMY	0.8352, 1.0000, 0.1725
CMYK	0.80, 1.00, 0.00, 0.17
HSL	252°, 100%, 41%
HSV	252°, 100%, 83%
XYZ	12.7127, 5.1954, 61.9608
YIQ	36.6120, -42.6990, 74.5250

Conversions

Conversions Part 2

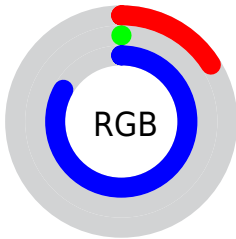
Format	Color
RYB	42, 0, 211
Decimal	2752723
CIELab	27.28, 69.13, -91.11
CIELCh	27, 114.367, 307.191
Yxy	5.1954, 0.1592, 0.0650
Android (android.graphics.Color)	4280942803 (0xFF2A00D3)
YUV	36.6120, 85.9733, 4.7253
Hunter-Lab	22.7934, 59.6673, -145.2164

Details

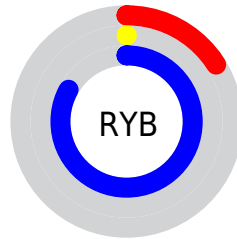
The XYZ color **12.7127, 5.1954, 61.9608** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **39.6535, 55.0222, 8.5304**, and the grayscale version is **1.6620, 1.7485, 1.9041**.

A 20% lighter version of the original color is **27.9423, 15.2993, 96.0881**, and **5.9164, 2.3666, 31.1553** is the 20% darker color. If you saturate the color by 10%, you get **12.7133, 5.1957, 61.9610**, and if you desaturate by 10%, it is **13.8264, 6.1703, 62.0905**.

Distribution



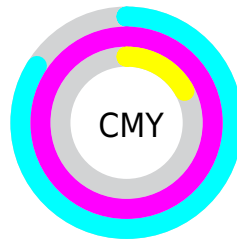
- Red (16%)
- Green (0%)
- Blue (83%)



- Red (16%)
- Yellow (0%)
- Blue (83%)



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



- Cyan (84%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7127, 5.1954, 61.9608 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 12.7127, 5.1954, 61.9608 by changing the saturation by 10% instead.

■ 12.7127, 5.1954,
61.9608

■ 12.7127, 5.1954,
61.9608

202.7431,
151.6923, 449.7918

■ 7.3066, 2.3624,
44.5654

■ 30.3924, 16.2374,
109.2399

■ 3.7026, 0.8064,
30.7748

■ 43.3967, 25.2151,
139.9608

■ 1.5353, 0.0000,
20.1704

■ 59.6645, 37.0098,
175.9605

■ 0.3497, 0.0000,
12.3337

■ 79.5612, 52.0059,
217.6577

■ 0.0000, 0.0000,
6.8461

■ 103.4520, 70.5878,
265.4709


■ 0.0000, 0.0000,
3.2890


■ 131.7024, 93.1399,


■ 0.0000, 0.0000,


319.8186

1.2440


 164.6776,
120.0466, 381.1194

 0.0000, 0.0000,
0.0153


 0.0000, 0.0000,
0.0000


 12.7127, 5.1954,
61.9608


 12.7127, 5.1954,
61.9608

 12.7133, 5.1957,
61.9610

 13.8264, 6.1703,
62.0905

 15.5585, 7.9021,
62.3335

 18.0370, 10.6036,
62.7243

 21.3412, 14.3961,
63.2822

■ 25.5398, 19.3828,
64.0234

■ 30.6938, 25.6548,
64.9624

■ 36.8590, 33.2941,
66.1120

■ 44.0865, 42.3758,
67.4840

■ 52.4240, 52.9697,
69.0894

Harmonies

Analogous

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



6.1644, 5.1954, 90.5749



12.7127, 5.1954, 61.9608



18.9302, 5.1954, 22.9143

Triad

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



12.7127, 5.1954, 61.9608



9.3612, 5.1954, 0.0000



0.1010, 5.1954, 9.5772

Complementary

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



12.7127, 5.1954, 61.9608



39.6535, 55.0222, 8.5304

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.



0.2973, 5.1954, 0.1893



12.7127, 5.1954, 61.9608



3.8863, 5.1954, 0.0000

Square

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



12.7127, 5.1954, 61.9608



16.2799, 5.1954, 0.0000



1.2315, 5.1954, 0.0000



0.6469, 5.1954, 40.4384

Rectangle

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



12.7127, 5.1954, 61.9608



20.6949, 5.1954, 7.0293



1.2315, 5.1954, 0.0000



0.0824, 5.1954, 4.4759

Sweetspot

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



12.7133, 5.1957, 61.9610



56.2496, 50.6941, 101.4280



26.5708, 34.3290, 66.8540



11.1394, 9.7307, 21.5411



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.



12.7133, 5.1957, 61.9610



19.4040, 7.9180, 95.1134



23.2916, 10.6490, 62.4561



11.3804, 11.5294, 14.8692



7.7396, 3.1702, 37.3965



0.4984, 0.2111, 2.0940

Inverse Universe

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



34.0242, 16.7130, 38.9619



52.1660, 25.6304, 59.4658



25.5965, 47.7755, 7.8725



12.2057, 11.9670, 14.3590



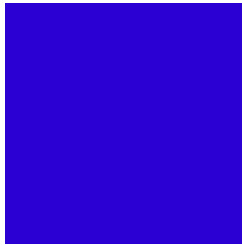
20.5707, 10.1011, 23.7091



1.1765, 0.5753, 1.4642

Previews

White Background



This preview shows how the XYZ color 12.7127, 5.1954, 61.9608 looks on a white background.

Color Contrast Check

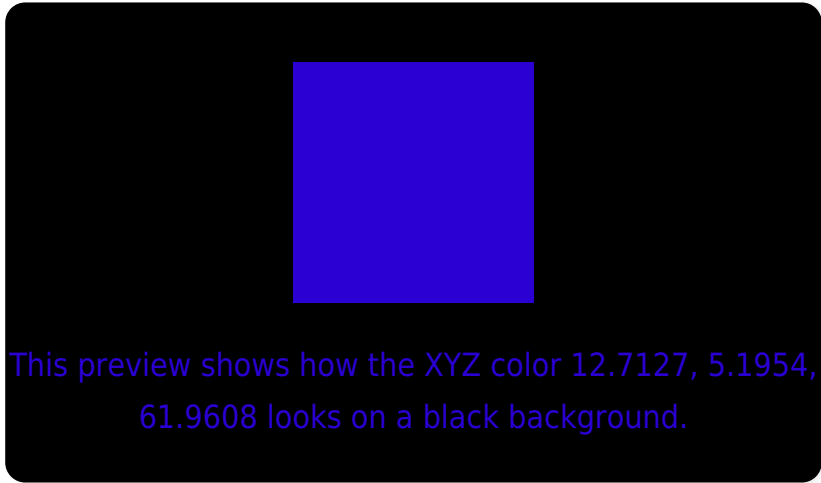
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7127, 5.1954, 61.9608

Background



This preview shows how black text looks on a background with the XYZ color 12.7127, 5.1954, 61.9608.



This preview shows how white text looks on a background with the XYZ color 12.7127, 5.1954,

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

12.7127, 5.1954, 61.9608

Deuteranopia

5.1044, 5.3491, 16.6830

Tritanopia

3.7883, 5.4334, 7.8703

Trichromacy



Original Color

12.7127, 5.1954, 61.9608

Deuteranomaly

6.4857, 3.9992, 28.8639

Tritanomaly

4.9794, 3.6409, 20.1790

Monochromacy



Original Color

12.7127, 5.1954, 61.9608

Achromatopsia

1.7584, 1.8500, 2.0147

Achromatomaly

3.4636, 2.0047, 12.2610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7127, 5.1954, 61.9608 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(42, 0, 211)` looks like.

```
.text, #text, p{  
    color:rgb(42, 0, 211)  
}
```

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(42, 0, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 0, 211) }
```

Border

The CSS property to change the border of an element to XYZ 12.7127, 5.1954, 61.9608 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(42, 0, 211) }
```

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

```
.border{ border-color:rgb(42, 0, 211) }
```

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

Here you see how a box with a 4 pixel rgb(42, 0, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 0, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 0, 211);  
box-shadow:4px 4px 4px 4px rgb(42, 0, 211)  
}
```


Background

The CSS property to change the background color of an element to XYZ 12.7127, 5.1954, 61.9608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 0, 211) }
```

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

```
.background{ background-color: rgb(42, 0,  
211) }
```

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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