

Converting Colors

XYZ(15.1571, 6.1719, 74.8877)

Have a look what the booklet for
XYZ(15.1571, 6.1719, 74.8877)
contains.

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Color

**XYZ(15.2378, 6.2054,
75.2576)**

Conversions

Conversions Part 1

Format	Color
Hex	2A00E6
RGB	42, 0, 230
RGB Percent	16%, 0%, 90%
CMY	0.8352, 1.0000, 0.0980
CMYK	0.82, 1.00, 0.00, 0.10
HSL	251°, 100%, 45%
HSV	251°, 100%, 90%
XYZ	15.2378, 6.2054, 75.2576
YIQ	38.7780, -48.7980, 80.4340

Conversions

Conversions Part 2

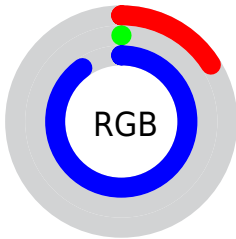
Format	Color
RYB	42, 0, 230
Decimal	2752742
CIELab	29.92, 73.67, -97.65
CIElCh	30, 122.323, 307.032
Yxy	6.2054, 0.1576, 0.0642
Android (android.graphics.Color)	4280942822 (0xFF2A00E6)
YUV	38.7780, 94.2724, 2.8257
Hunter-Lab	24.9106, 65.5946, -161.6837

Details

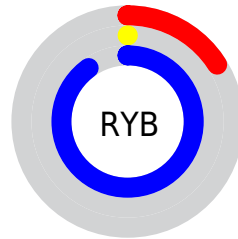
The XYZ color **15.2378, 6.2054, 75.2576** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **49.0314, 67.2829, 10.4027**, and the grayscale version is **1.8343, 1.9298, 2.1016**.

A 20% lighter version of the original color is **28.6356, 15.8362, 96.1552**, and **7.5428, 3.0171, 39.7200** is the 20% darker color. If you saturate the color by 10%, you get **15.2386, 6.2058, 75.2579**, and if you desaturate by 10%, it is **16.5026, 7.3123, 75.4049**.

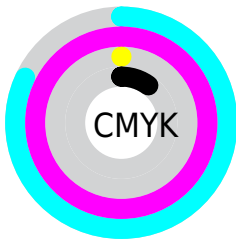
Distribution



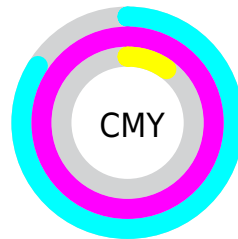
- Red (16%)
- Green (0%)
- Blue (90%)



- Red (16%)
- Yellow (0%)
- Blue (90%)



- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)



- Cyan (84%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2378, 6.2054, 75.2576 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 15.2378, 6.2054, 75.2576 by changing the saturation by 10% instead.

■ 15.2378, 6.2054,
75.2576

■ 15.2378, 6.2054,
75.2576

218.1610,
160.8877, 498.0815

■ 9.0739, 2.9704,
55.3210

■ 34.8381, 18.3558,
128.4274

■ 4.8469, 1.1163,
39.2584

■ 49.0051, 28.0400,
162.4976

■ 2.1915, 0.0000,
26.6514

■ 66.5705, 40.6427,
202.1161

■ 0.7383, 0.0000,
17.0815

■ 87.8997, 56.5483,
247.7014

■ 0.0000, 0.0000,
10.1300

■ 113.3579, 76.1412,
299.6721


■ 0.0000, 0.0000,
5.3785


■ 143.3107, 99.8058,

■ 0.0000, 0.0000,


358.4466

2.4084


 178.1233,
127.9265, 424.4436

 0.0000, 0.0000,
0.7910


 0.0000, 0.0000,
0.0000


 15.2378, 6.2054,
75.2576

 15.2378, 6.2054,
75.2576

 15.2386, 6.2058,
75.2579

 16.5026, 7.3123,
75.4049

 18.5359, 9.3560,
75.6922

 21.4929, 12.5892,
76.1604

 25.4747, 17.1641,
76.8336

■ 30.5687, 23.2098,
77.7320

■ 36.8522, 30.8398,
78.8736

■ 44.3958, 40.1565,
80.2743

■ 53.2643, 51.2536,
81.9488

■ 63.5179, 64.2178,
83.9108

Harmonies

Analogous

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



7.3404, 6.2054, 109.8393



15.2378, 6.2054, 75.2576



22.7792, 6.2054, 27.8227

Triad

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



15.2378, 6.2054, 75.2576



11.2763, 6.2054, 0.0000



0.1851, 6.2054, 11.3607

Complementary

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



15.2378, 6.2054, 75.2576



49.0314, 67.2829, 10.4027

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.



0.3994, 6.2054, 0.2700



15.2378, 6.2054, 75.2576



4.6582, 6.2054, 0.0000

Square

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



15.2378, 6.2054, 75.2576



19.6406, 6.2054, 0.0000



1.4597, 6.2054, 0.0000



0.7650, 6.2054, 48.6039

Rectangle

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



15.2378, 6.2054, 75.2576



24.9419, 6.2054, 8.5114



1.4597, 6.2054, 0.0000



0.1667, 6.2054, 5.2613

Sweetspot

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



15.2386, 6.2058, 75.2579



55.9290, 50.5288, 101.4130



33.0596, 43.2664, 81.4721



11.0657, 9.6927, 21.5376



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.



15.2386, 6.2058, 75.2579



19.2033, 7.8146, 95.1040



27.4829, 12.5180, 75.8309



13.8272, 14.0131, 18.1204



8.7010, 3.5514, 42.6101



0.7142, 0.2991, 3.1521

Inverse Universe

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



41.7083, 20.4531, 49.3160



52.6761, 25.8345, 62.1519



31.3307, 58.1578, 9.5743



14.8762, 14.5677, 17.5485



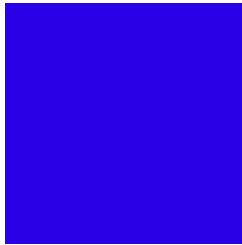
23.6548, 11.5961, 28.1406



1.7775, 0.8687, 2.2348

Previews

White Background



This preview shows how the XYZ color 15.2378, 6.2054, 75.2576 looks on a white background.

Color Contrast Check

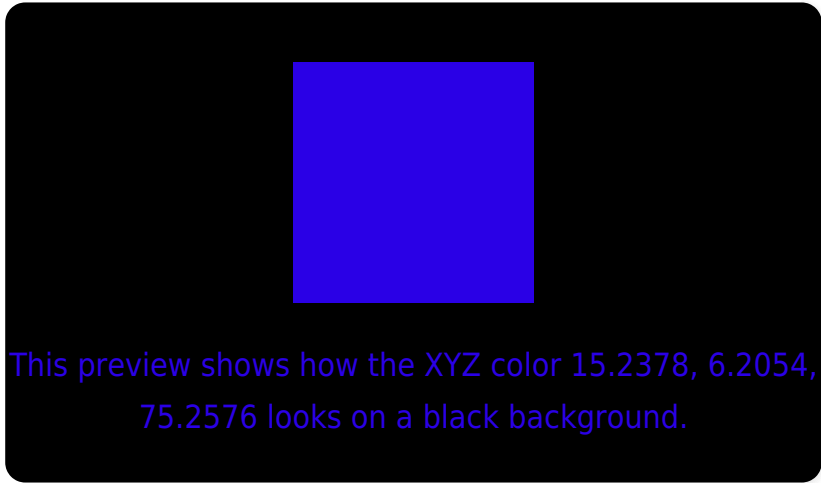
Large Text (above 18pt) WCAG AA ✓ Pass

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

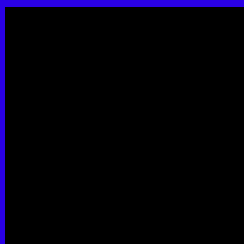
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2378, 6.2054, 75.2576

Background



This preview shows how black text looks on a background with the XYZ color 15.2378, 6.2054, 75.2576.



This preview shows how white text looks on a background with the XYZ color 15.2378, 6.2054,

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

15.2378, 6.2054, 75.2576

Protanopia

7.2390, 6.3006, 27.6227

Deuteranopia

6.0239, 6.3276, 19.6427



Tritanopia

4.4689, 6.3774, 9.3829

Trichromacy



Original Color

15.2378, 6.2054, 75.2576

Protanomaly

8.9342, 5.0375, 41.5758

Deuteranomaly

7.7351, 4.7432, 34.6903

Tritanomaly

5.8962, 4.2754, 24.1814

Monochromacy



Original Color

15.2378, 6.2054, 75.2576

Achromatopsia

1.9284, 2.0289, 2.2094

Achromatomaly

3.9295, 2.2291, 14.4105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2378, 6.2054, 75.2576 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(42, 0, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 0, 230) }
```

Border

The CSS property to change the border of an element to XYZ 15.2378, 6.2054, 75.2576 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, 230) }
```


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

```
.border{ border-color:rgb(42, 0, 230) }
```

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, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(42, 0, 230)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.2378, 6.2054, 75.2576 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, 230) }
```

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

```
.background{ background-color: rgb(42, 0,  
230) }
```

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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