

Converting Colors

XYZ(15.3355, 6.2359, 75.7457)

Have a look what the booklet for
XYZ(15.3355, 6.2359, 75.7457)
contains.

XYZ(15.3786, 6.2618, 75.9994)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.3786, 6.2618,
75.9994)**

Conversions

Conversions Part 1

Format	Color
Hex	2A00E7
RGB	42, 0, 231
RGB Percent	16%, 0%, 91%
CMY	0.8352, 1.0000, 0.0941
CMYK	0.82, 1.00, 0.00, 0.09
HSL	251°, 100%, 45%
HSV	251°, 100%, 91%
XYZ	15.3786, 6.2618, 75.9994
YIQ	38.8920, -49.1190, 80.7450

Conversions

Conversions Part 2

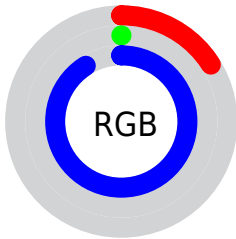
Format	Color
R _Y B	42, 0, 231
Decimal	2752743
CIE Lab	30.06, 73.91, -97.99
CIE LCh	30, 122.737, 307.024
Yxy	6.2618, 0.1575, 0.0641
Android (android.graphics.Color)	4280942823 (0xFF2A00E7)
YUV	38.8920, 94.7092, 2.7257
Hunter-Lab	25.0236, 65.9084, -162.5538

Details

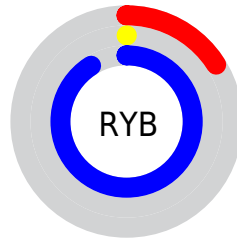
The XYZ color **15.3786, 6.2618, 75.9994** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **49.5583, 67.9688, 10.5073**, and the grayscale version is **1.8436, 1.9396, 2.1122**.

A 20% lighter version of the original color is **28.7823, 15.9119, 96.1620**, and **7.5428, 3.0171, 39.7200** is the 20% darker color. If you saturate the color by 10%, you get **15.3794, 6.2621, 75.9997**, and if you desaturate by 10%, it is **16.6515, 7.3757, 76.1476**.

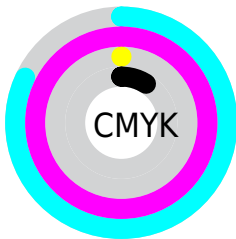
Distribution



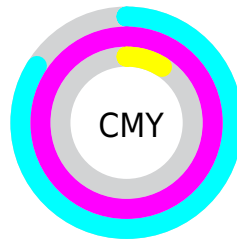
- Red (16%)
- Green (0%)
- Blue (91%)



- Red (16%)
- Yellow (0%)
- Blue (91%)



- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)





- Cyan (84%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3786, 6.2618, 75.9994 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 15.3786, 6.2618, 75.9994 by changing the saturation by 10% instead.


 15.3786, 6.2618,
75.9994


 15.3786, 6.2618,
75.9994


218.9897,
161.3808, 500.6924


 9.1736, 3.0049,
55.9254


 35.0822, 18.4719,
129.4861


 4.9126, 1.1343,
39.7395


 49.3115, 28.1940,
163.7359

 2.2303, 0.0070,
27.0232


 66.9463, 40.8399,
203.5480

 0.7586, 0.0000,
17.3581

 88.3519, 56.7940,
249.3410

 0.0000, 0.0000,
10.3255

 113.8937, 76.4407,
301.5334

 0.0000, 0.0000,
5.5069


 143.9370,

 0.0000, 0.0000,

100.1645, 360.5437

2.4837

 178.8472,
128.3497, 426.7906


 0.0000, 0.0000,
0.8315


 0.0000, 0.0000,
0.0000


 15.3786, 6.2618,
75.9994


 15.3786, 6.2618,
75.9994

 15.3794, 6.2621,
75.9997

 16.6515, 7.3757,
76.1476

 18.7012, 9.4365,
76.4373

 21.6846, 12.6992,
76.9099

 25.7041, 17.3176,
77.5894

■ 30.8479, 23.4223,
78.4967

■ 37.1945, 31.1281,
79.6495

■ 44.8151, 40.5385,
81.0643

■ 53.7753, 51.7482,
82.7557

■ 64.1362, 64.8449,
84.7375

Harmonies

Analogous

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



7.4060, 6.2618, 110.9133



15.3786, 6.2618, 75.9994



22.9938, 6.2618, 28.0969

Triad

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



15.3786, 6.2618, 75.9994



11.3832, 6.2618, 0.0000



0.1897, 6.2618, 11.4600

Complementary

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



15.3786, 6.2618, 75.9994



49.5583, 67.9688, 10.5073

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.



0.4049, 6.2618, 0.2744



15.3786, 6.2618, 75.9994



4.7014, 6.2618, 0.0000

Square

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



15.3786, 6.2618, 75.9994



19.8281, 6.2618, 0.0000



1.4725, 6.2618, 0.0000



0.7713, 6.2618, 49.0588

Rectangle

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



15.3786, 6.2618, 75.9994



25.1788, 6.2618, 8.5943



1.4725, 6.2618, 0.0000



0.1712, 6.2618, 5.3051

Sweetspot

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



15.3794, 6.2621, 75.9997



55.9134, 50.5208, 101.4123



33.3835, 43.6889, 82.2749



11.0621, 9.6909, 21.5374



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.



15.3794, 6.2621, 75.9997



19.1940, 7.8097, 95.1035



27.7503, 12.6396, 76.5786



13.8261, 14.0126, 18.1203



8.6965, 3.5491, 42.6099



0.7137, 0.2989, 3.1520

Inverse Universe

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



42.1387, 20.6624, 49.9023



52.7014, 25.8446, 62.2851



31.6366, 58.7298, 9.6686



14.8767, 14.5679, 17.5512



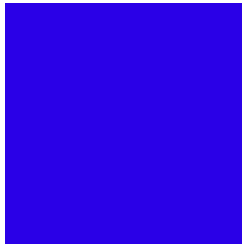
23.6659, 11.6006, 28.1994



1.7782, 0.8690, 2.2387

Previews

White Background



This preview shows how the XYZ color 15.3786, 6.2618, 75.9994 looks on a white background.

Color Contrast Check

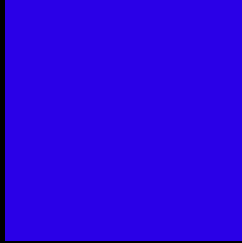
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3786, 6.2618, 75.9994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

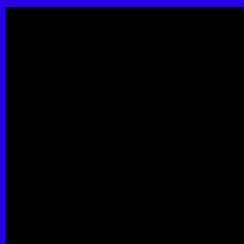
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3786, 6.2618, 75.9994

Background



This preview shows how black text looks on a background with the XYZ color 15.3786, 6.2618, 75.9994.



This preview shows how white text looks on a background with the XYZ color 15.3786, 6.2618,

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

15.3786, 6.2618, 75.9994

Protanopia

7.3785, 6.4556, 28.0513

Deuteranopia

6.0869, 6.3528, 19.9742



Tritanopia

4.4689, 6.3774, 9.3829

Trichromacy



Original Color

15.3786, 6.2618, 75.9994

Protanomaly

9.0712, 5.1527, 42.1114

Deuteranomaly

7.8244, 4.7789, 35.1604

Tritanomaly

5.8962, 4.2754, 24.1814

Monochromacy



Original Color

15.3786, 6.2618, 75.9994

Achromatopsia

1.9284, 2.0289, 2.2094

Achromatomaly

3.9830, 2.2505, 14.6925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3786, 6.2618, 75.9994 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(42, 0, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 0, 231) }
```

Border

The CSS property to change the border of an element to XYZ 15.3786, 6.2618, 75.9994 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, 231) }
```


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

```
.border{ border-color:rgb(42, 0, 231) }
```

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, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 0, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 0, 231);  
box-shadow:4px 4px 4px 4px rgb(42, 0, 231)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.3786, 6.2618, 75.9994 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, 231) }
```

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

```
.background{ background-color: rgb(42, 0,  
231) }
```

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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