

Converting Colors

XYZ(16.2491, 7.0820, 59.2540)

Have a look what the booklet for
XYZ(16.2491, 7.0820, 59.2540)
contains.

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Color

**XYZ(16.2995, 7.1017,
59.5432)**

Conversions

Conversions Part 1

Format	Color
Hex	6200CF
RGB	98, 0, 207
RGB Percent	38%, 0%, 81%
CMY	0.6157, 1.0000, 0.1882
CMYK	0.53, 1.00, 0.00, 0.19
HSL	268°, 100%, 41%
HSV	268°, 100%, 81%
XYZ	16.2995, 7.1017, 59.5432
YIQ	52.9000, -8.0390, 85.1530

Conversions

Conversions Part 2

Format	Color
R _Y B	98, 0, 207
Decimal	6422735
CIE Lab	32.04, 70.73, -80.73
CIE LCh	32, 107.331, 311.224
Yxy	7.1017, 0.1965, 0.0856
Android (android.graphics.Color)	4284612815 (0xFF6200CF)
YUV	52.9000, 75.9713, 39.5527
Hunter-Lab	26.6490, 62.5413, -113.8202

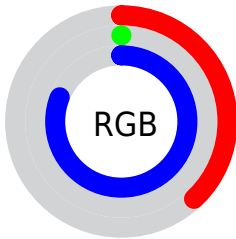
Details

The XYZ color **16.2995, 7.1017, 59.5432** is a dark color, and the websafe version is hex **6600CC**.

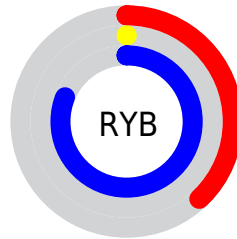
The color can be described as dark washed purple. A complement of this color would be **28.6190, 47.8767, 7.7328**, and the grayscale version is **3.2844, 3.4554, 3.7630**.

A 20% lighter version of the original color is **34.9297, 19.4587, 96.5226**, and **5.8171, 2.3535, 29.4258** is the 20% darker color. If you saturate the color by 10%, you get **16.3001, 7.1020, 59.5434**, and if you desaturate by 10%, it is **17.8202, 8.2755, 59.6898**.

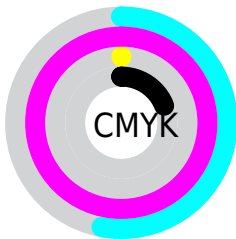
Distribution



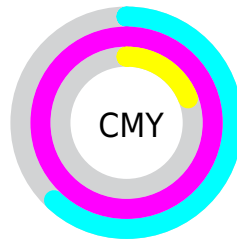
- Red (38%)
- Green (0%)
- Blue (81%)



- Red (38%)
- Yellow (0%)
- Blue (81%)



- Cyan (53%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)




- Cyan (62%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2995, 7.1017, 59.5432 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 16.2995, 7.1017, 59.5432 by changing the saturation by 10% instead.

 16.2995, 7.1017,
59.5432


 16.2995, 7.1017,
59.5432


224.3384,
168.5061, 440.6698


 9.8285, 3.5258,
42.6277


 36.6706, 20.1775,
105.7036


 5.3468, 1.4120,
29.2638


 51.3015, 30.4462,
135.7856


 2.4890, 0.2255,
19.0332


 69.3831, 43.7146,
171.0934

 0.8897, 0.0000,
11.5172

 91.2806, 60.3671,
212.0457

 0.0000, 0.0000,
6.2973

 117.3596, 80.7881,
259.0609


 0.0000, 0.0000,
2.9550


 147.9853,


 0.0000, 0.0000,


105.3620, 312.5576


1.0717

 183.5231,
134.4732, 372.9544


 0.0000, 0.0000,
0.0000


 16.2995, 7.1017,
59.5432


 16.2995, 7.1017,
59.5432


 16.3001, 7.1020,
59.5434

 17.8202, 8.2755,
59.6898

 19.7880, 10.0978,
59.9379

 22.3048, 12.7628,
60.3196

 25.4279, 16.3767,
60.8526

 29.2059, 21.0293,
61.5515

■ 33.6821, 26.7996,
62.4293

■ 38.8956, 33.7587,
63.4978

■ 44.8824, 41.9717,
64.7675

■ 51.6760, 51.4988,
66.2484

Harmonies

Analogous

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



9.0062, 7.1017, 90.5832



16.2995, 7.1017, 59.5432



22.3636, 7.1017, 22.0060

Triad

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



16.2995, 7.1017, 59.5432



10.7236, 7.1017, 0.0000



0.8010, 7.1017, 15.1840

Complementary

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



16.2995, 7.1017, 59.5432



28.6190, 47.8767, 7.7328

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.



0.8913, 7.1017, 1.5313



16.2995, 7.1017, 59.5432



4.9060, 7.1017, 0.0000

Square

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



16.2995, 7.1017, 59.5432



18.1233, 7.1017, 0.0000



1.9265, 7.1017, 0.0000



1.5330, 7.1017, 49.2787

Rectangle

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



16.2995, 7.1017, 59.5432



23.6226, 7.1017, 7.1081



1.9265, 7.1017, 0.0000



0.7515, 7.1017, 8.3926

Sweetspot

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



16.3001, 7.1020, 59.5434



62.0120, 53.6647, 101.6977



16.8817, 15.7434, 61.1808



12.4823, 10.4230, 21.6039



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.



16.3001, 7.1020, 59.5434



25.8974, 11.2655, 95.4173



35.1088, 16.7982, 60.4237



11.6884, 11.6882, 14.8837



10.3774, 4.5300, 37.5199



0.6715, 0.3004, 2.1021

Inverse Universe

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



28.4923, 14.3695, 15.7386



45.5619, 22.9888, 24.6888



22.3993, 44.6704, 7.4417



12.0651, 11.9108, 13.6185



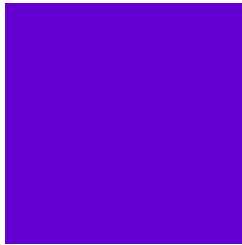
17.9996, 9.0727, 10.1698



1.0464, 0.5233, 0.7790

Previews

White Background



This preview shows how the XYZ color 16.2995, 7.1017, 59.5432 looks on a white background.

Color Contrast Check

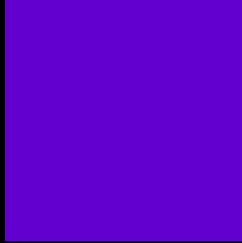
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2995, 7.1017, 59.5432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

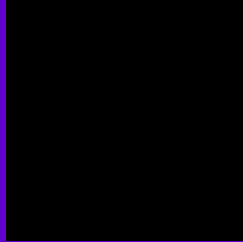
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2995, 7.1017, 59.5432

Background



This preview shows how black text looks on a background with the XYZ color 16.2995, 7.1017, 59.5432.



This preview shows how white text looks on a background with the XYZ color 16.2995, 7.1017,

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

16.2995, 7.1017, 59.5432

Protanopia

8.6019, 7.4665, 32.8861

Deuteranopia

7.1717, 7.4586, 23.6159



Tritanopia

6.5872, 7.5651, 10.1298

Trichromacy



Original Color

16.2995, 7.1017, 59.5432

Protanomaly

9.5224, 5.5841, 41.1334

Deuteranomaly

8.3444, 5.3159, 34.3045

Tritanomaly

8.1488, 5.5505, 22.1146

Monochromacy



Original Color

16.2995, 7.1017, 59.5432

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.7866, 3.5134, 14.8412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2995, 7.1017, 59.5432 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(98, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(98, 0, 207)  
}
```

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(98, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 16.2995, 7.1017, 59.5432 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(98, 0, 207) }
```


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

```
.border{ border-color:rgb(98, 0, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 0, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(98, 0, 207)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2995, 7.1017, 59.5432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 0, 207) }
```

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

```
.background{ background-color: rgb(98, 0,  
207) }
```

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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