

Converting Colors

XYZ(16.3537, 8.2508, 51.1833)

Have a look what the booklet for
XYZ(16.3537, 8.2508, 51.1833)
contains.

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Color

**XYZ(16.3199, 8.2378,
51.1820)**

Conversions

Conversions Part 1

Format	Color
Hex	6B24C1
RGB	107, 36, 193
RGB Percent	42%, 14%, 76%
CMY	0.5804, 0.8588, 0.2431
CMYK	0.45, 0.81, 0.00, 0.24
HSL	267°, 69%, 45%
HSV	267°, 81%, 76%
XYZ	16.3199, 8.2378, 51.1820
YIQ	75.1270, -8.0810, 63.8790

Conversions

Conversions Part 2

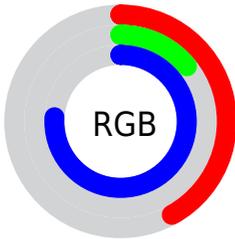
Format	Color
R_{YB}	107, 36, 193
Decimal	7021761
CIE _{Lab}	34.47, 60.35, -68.48
CIE _{LCh}	34, 91.279, 311.386
Yxy	8.2378, 0.2155, 0.1088
Android (android.graphics.Color)	4285211841 (0xFF6B24C1)
YUV	75.1270, 58.1114, 27.9526
Hunter-Lab	28.7016, 51.2685, -85.6376

Details

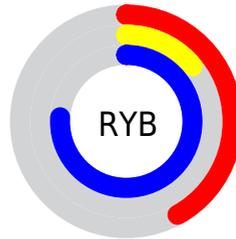
The XYZ color **16.3199, 8.2378, 51.1820** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **27.4140, 42.4048, 8.4091**, and the grayscale version is **6.6106, 6.9549, 7.5739**.

A 20% lighter version of the original color is **36.8796, 22.5542, 93.6764**, and **5.6262, 2.3705, 24.2058** is the 20% darker color. If you saturate the color by 10%, you get **14.6910, 6.7522, 50.9813**, and if you desaturate by 10%, it is **18.4198, 10.4331, 51.4953**.

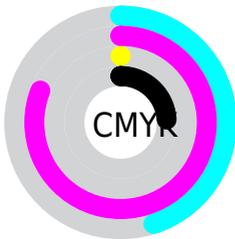
Distribution



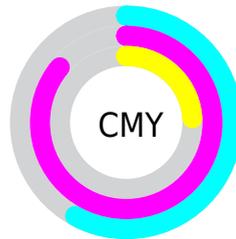
- Red (42%)
- Green (14%)
- Blue (76%)



- Red (42%)
- Yellow (14%)
- Blue (76%)



- Cyan (45%)
- Magenta (81%)
- Yellow (0%)
- Black (24%)



- Cyan (58%)
- Magenta (86%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3199, 8.2378, 51.1820 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 16.3199, 8.2378, 51.1820 by changing the saturation by 10% instead.

■ 16.3199, 8.2378,
51.1820

■ 16.3199, 8.2378,
51.1820

■ 224.4555,
177.5855, 408.1372

■ 9.8431, 4.2475,
35.9757

■ 36.7057, 22.4233,
93.3380

■ 5.3565, 1.8129,
24.1259

■ 51.3453, 33.3873,
121.1248

■ 2.4948, 0.4952,
15.2140

■ 69.4366, 47.4447,
153.9422

■ 0.8926, 0.0000,
8.8214

■ 91.3450, 64.9798,
192.2088

■ 0.0000, 0.0000,
4.5297

■ 117.4357, 86.3770,
236.3430

■ 0.0000, 0.0000,
1.9202

■ 148.0741,

■ 0.0000, 0.0000,

112.0208, 286.7635

0.5055

183.6256,
142.2955, 343.8887

■ 0.0000, 0.0000,
0.0000

■ 16.3199, 8.2378,
51.1820

■ 16.3199, 8.2378,
51.1820

■ 14.6910, 6.7522,
50.9813

■ 18.4198, 10.4331,
51.4953

■ 13.5828, 5.8902,
50.8733

■ 21.0389, 13.4289,
51.9355

■ 24.2200, 17.3026,
52.5155

■ 28.0005, 22.1220,
53.2465

■ 32.4144, 27.9480,
54.1384

■ 37.4928, 34.8362,
55.2003

■ 43.2646, 42.8382,
56.4406

■ 49.7569, 52.0019,
57.8672

■ 56.9954, 62.3726,
59.4874

Harmonies

Analogous

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



9.9411, 8.2378, 74.8418



16.3199, 8.2378, 51.1820



21.3754, 8.2378, 21.3312

Triad

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



16.3199, 8.2378, 51.1820



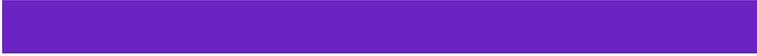
11.4155, 8.2378, 0.0000



1.5974, 8.2378, 15.7754

Complementary

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



16.3199, 8.2378, 51.1820



27.4140, 42.4048, 8.4091

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.



1.7115, 8.2378, 2.6402



16.3199, 8.2378, 51.1820



6.0408, 8.2378, 0.0000

Square

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



16.3199, 8.2378, 51.1820



17.7956, 8.2378, 0.0000



2.9544, 8.2378, 0.0000



2.5190, 8.2378, 43.5615

Rectangle

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



16.3199, 8.2378, 51.1820



22.3924, 8.2378, 8.3039



2.9544, 8.2378, 0.0000



1.5321, 8.2378, 9.6699

Sweetspot

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



16.3204, 8.2380, 51.1822



64.2663, 58.4490, 98.2549



17.3558, 18.2305, 53.0564



13.0848, 11.5862, 20.9320



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.3204, 8.2380, 51.1822



24.4639, 10.7006, 91.1363



30.3004, 15.4450, 51.8365



9.9512, 9.9660, 12.6840



9.1237, 3.9639, 33.8408



0.4735, 0.2121, 1.4659

Inverse Universe

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



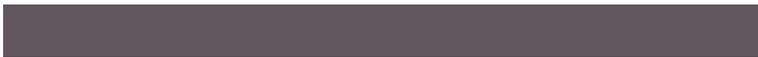
26.1359, 14.0043, 19.7368



44.1134, 22.2823, 26.4566



20.4207, 38.7996, 8.0818



10.2988, 10.1681, 11.6641



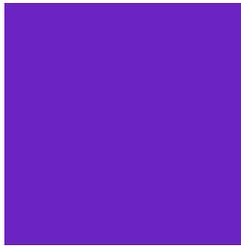
16.3888, 8.2453, 9.9593



0.7425, 0.3700, 0.6113

Previews

White Background



This preview shows how the XYZ color 16.3199, 8.2378, 51.1820 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

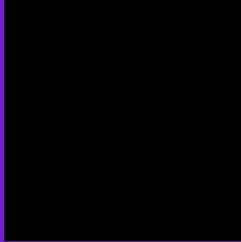
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3199, 8.2378, 51.1820

Background



This preview shows how black text looks on a background with the XYZ color 16.3199, 8.2378, 51.1820.



This preview shows how white text looks on a background with the XYZ color 16.3199, 8.2378,

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

16.3199, 8.2378, 51.1820

Protanopia

9.6789, 8.3451, 37.1770

Deuteranopia

8.1282, 8.3238, 27.1649



Tritanopia

8.0561, 8.3223, 10.1986

Trichromacy



Original Color

16.3199, 8.2378, 51.1820

Protanomaly

10.4507, 7.1209, 41.8980

Deuteranomaly

9.2769, 7.0189, 34.5840

Tritanomaly

9.8726, 7.4606, 20.6584

Monochromacy



Original Color

16.3199, 8.2378, 51.1820

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.8692, 6.6717, 17.9599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3199, 8.2378, 51.1820 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(107, 36, 193)` looks like.

```
.text, #text, p{  
    color:rgb(107, 36, 193)  
}
```

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(107, 36, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 36, 193) }
```

Border

The CSS property to change the border of an element to XYZ 16.3199, 8.2378, 51.1820 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(107, 36, 193) }
```

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

```
.border{ border-color:rgb(107, 36, 193) }
```

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

Here you see how a box with a 4 pixel rgb(107, 36, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 36, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 36, 193);  
box-shadow:4px 4px 4px 4px rgb(107, 36,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3199, 8.2378, 51.1820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 36, 193) }
```

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

```
.background{ background-color: rgb(107, 36,  
193) }
```

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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