

Converting Colors

XYZ(19.1829, 12.2374, 59.7435)

Have a look what the booklet for
XYZ(19.1829, 12.2374, 59.7435)
contains.

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Color

**XYZ(19.1829, 12.2374,
59.7435)**

Conversions

Conversions Part 1

Format	Color
Hex	674ACE
RGB	103, 74, 206
RGB Percent	40%, 29%, 81%
CMY	0.5961, 0.7098, 0.1922
CMYK	0.50, 0.64, 0.00, 0.19
HSL	253°, 57%, 55%
HSV	253°, 64%, 81%
XYZ	19.1829, 12.2374, 59.7435
YIQ	97.7190, -25.0880, 47.2000

Conversions

Conversions Part 2

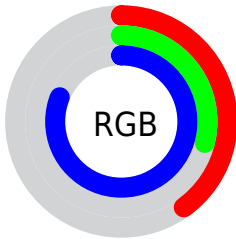
Format	Color
R _Y B	103, 74, 206
Decimal	6769358
CIE Lab	41.59, 45.05, -64.44
CIE LCh	42, 78.627, 304.959
Yxy	12.2374, 0.2104, 0.1342
Android (android.graphics.Color)	4284959438 (0xFF674ACE)
YUV	97.7190, 53.3825, 4.6314
Hunter-Lab	34.9820, 36.6647, -76.7702

Details

The XYZ color **19.1829, 12.2374, 59.7435** 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 **41.4381, 53.9839, 14.7146**, and the grayscale version is **11.4167, 12.0113, 13.0803**.

A 20% lighter version of the original color is **39.9556, 29.2124, 98.1404**, and **6.7920, 3.4045, 29.5773** is the 20% darker color. If you saturate the color by 10%, you get **16.3561, 9.0621, 59.2799**, and if you desaturate by 10%, it is **22.8155, 16.4964, 60.3744**.

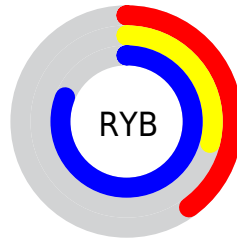
Distribution



Red (40%)

Green (29%)

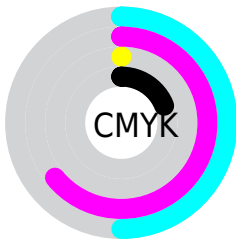
Blue (81%)



Red (40%)

Yellow (29%)

Blue (81%)

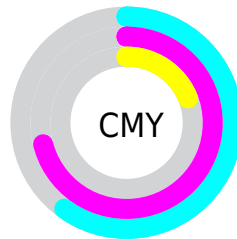


Cyan (50%)

Magenta (64%)

Yellow (0%)

Black (19%)



Cyan (60%)

Magenta (71%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1829, 12.2374, 59.7435 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 19.1829, 12.2374, 59.7435 by changing the saturation by 10% instead.

■ 19.1829, 12.2374,
59.7435

■ 19.1829, 12.2374,
59.7435

240.3754,
205.9707, 441.4300

■ 11.9073, 6.9056,
42.7880

■ 41.5574, 29.9267,
105.9972

■ 6.7523, 3.4031,
29.3886

■ 57.3870, 43.0531,
136.1325

■ 3.3526, 1.3456,
19.1269

■ 76.7987, 59.5463,
171.4981

■ 1.3429, 0.1761,
11.5843

■ 100.1578, 79.7909,
212.5126

■ 0.2150, 0.0000,
6.3422

■ 127.8297,
104.1713, 259.5945

■ 0.0000, 0.0000,
2.9821

160.1797,

■ 0.0000, 0.0000,

133.0717, 313.1623

1.0855

197.5731,
166.8767, 373.6347

■ 0.0000, 0.0000,
0.0000

■ 19.1829, 12.2374,
59.7435

■ 19.1829, 12.2374,
59.7435

■ 16.3561, 9.0621,
59.2799

■ 22.8155, 16.4964,
60.3744

■ 14.2671, 6.8671,
58.9663

■ 27.3105, 21.9271,
61.1857

■ 12.8383, 5.5302,
58.7836

■ 32.7212, 28.6095,
62.1904

■ 12.2345, 5.0201,
58.7169

■ 39.0962, 36.6161,
63.3998

■ 46.4802, 46.0140,
64.8246

■ 54.9155, 56.8655,
66.4746

■ 64.4416, 69.2294,
68.3590

■ 75.0959, 83.1608,
70.4864

■ 85.4942, 95.8720,
72.3919

Harmonies

Analogous

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



12.6130, 12.2374, 76.2777



19.1829, 12.2374, 59.7435



24.7930, 12.2374, 31.7145

Triad

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



19.1829, 12.2374, 59.7435



16.9646, 12.2374, 0.0331



3.7294, 12.2374, 16.2519

Complementary

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



19.1829, 12.2374, 59.7435



41.4381, 53.9839, 14.7146

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.



4.2165, 12.2374, 3.9155



19.1829, 12.2374, 59.7435



10.7019, 12.2374, 0.0000

Square

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



19.1829, 12.2374, 59.7435



23.2442, 12.2374, 2.1722



6.3783, 12.2374, 0.5082



4.7211, 12.2374, 40.9345

Rectangle

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



19.1829, 12.2374, 59.7435



26.4798, 12.2374, 16.3040



6.3783, 12.2374, 0.5082



3.7301, 12.2374, 10.7320

Sweetspot

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



19.1835, 12.2378, 59.7438



68.9275, 66.4096, 103.7932



29.7661, 37.5149, 64.0650



14.0285, 13.2937, 22.0765



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.



19.1835, 12.2378, 59.7438



25.0522, 13.1248, 95.8207



29.8661, 17.7448, 60.2438



10.8284, 10.9609, 14.1153



7.6023, 3.1267, 36.1591



0.4591, 0.1958, 1.8685

Inverse Universe

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



35.8380, 21.1937, 43.7950



54.6516, 29.0983, 64.9285



29.9135, 48.0428, 14.1753



11.5779, 11.3599, 13.5779



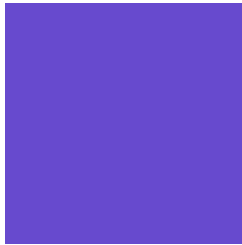
19.6580, 9.6738, 21.7152



1.0410, 0.5098, 1.2615

Previews

White Background



This preview shows how the XYZ color 19.1829, 12.2374, 59.7435 looks on a white background.

Color Contrast Check

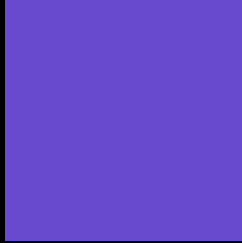
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.1829, 12.2374, 59.7435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1829, 12.2374, 59.7435

Background



This preview shows how black text looks on a background with the XYZ color 19.1829, 12.2374, 59.7435.



This preview shows how white text looks on a background with the XYZ color 19.1829, 12.2374,

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

19.1829, 12.2374, 59.7435

Protanopia

14.4280, 12.1755, 56.2333

Deuteranopia

12.1000, 12.1315, 41.2390



Tritanopia

10.5223, 12.1463, 16.8288

Trichromacy



Original Color

19.1829, 12.2374, 59.7435

Protanomaly

14.8318, 11.4740, 57.3101

Deuteranomaly

13.2610, 11.3783, 47.3962

Tritanomaly

12.7618, 11.6609, 28.7723

Monochromacy



Original Color

19.1829, 12.2374, 59.7435

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.3433, 11.6602, 25.2143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1829, 12.2374, 59.7435 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(103, 74, 206)` looks like.

```
.text, #text, p{  
    color:rgb(103, 74, 206)  
}
```

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(103, 74, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 74, 206) }
```

Border

The CSS property to change the border of an element to XYZ 19.1829, 12.2374, 59.7435 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(103, 74, 206) }
```


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

```
.border{ border-color:rgb(103, 74, 206) }
```

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

Here you see how a box with a 4 pixel rgb(103, 74, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 74, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 74, 206);  
box-shadow:4px 4px 4px 4px rgb(103, 74,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1829, 12.2374, 59.7435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 74, 206) }
```

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

```
.background{ background-color: rgb(103, 74,  
206) }
```

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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