

Converting Colors

XYZ(24.3778, 15.9691, 47.9319)

Have a look what the booklet for
XYZ(24.3778, 15.9691, 47.9319)
contains.

XYZ(24.2771, 15.8717, 47.6829)	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(24.2771, 15.8717,
47.6829)**

Conversions

Conversions Part 1

Format	Color
Hex	9651B9
RGB	150, 81, 185
RGB Percent	59%, 32%, 73%
CMY	0.4118, 0.6823, 0.2745
CMYK	0.19, 0.56, 0.00, 0.27
HSL	280°, 43%, 52%
HSV	280°, 56%, 73%
XYZ	24.2771, 15.8717, 47.6829
YIQ	113.4870, 7.7400, 46.9720

Conversions

Conversions Part 2

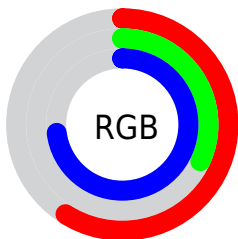
Format	Color
R _Y B	150, 81, 185
Decimal	9851321
CIE Lab	46.81, 46.53, -43.59
CIE LCh	47, 63.758, 316.864
Yxy	15.8717, 0.2764, 0.1807
Android (android.graphics.Color)	4288041401 (0xFF9651B9)
YUV	113.4870, 35.2559, 32.0219
Hunter-Lab	39.8393, 39.0548, -43.0756

Details

The XYZ color **24.2771, 15.8717, 47.6829** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **26.0370, 39.0053, 13.9417**, and the grayscale version is **15.7381, 16.5577, 18.0313**.

A 20% lighter version of the original color is **49.8681, 36.3077, 88.3841**, and **9.3600, 5.0042, 21.9453** is the 20% darker color. If you saturate the color by 10%, you get **21.9697, 12.9122, 47.2335**, and if you desaturate by 10%, it is **27.0211, 19.6128, 48.2606**.

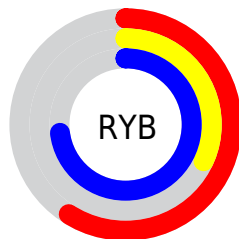
Distribution



Red (59%)

Green (32%)

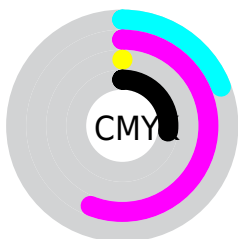
Blue (73%)



Red (59%)

Yellow (32%)

Blue (73%)

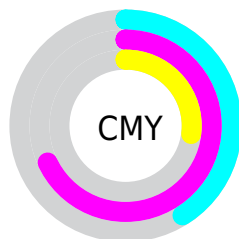


Cyan (19%)

Magenta (56%)

Yellow (0%)

Black (27%)



Cyan (41%)

Magenta (68%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2771, 15.8717, 47.6829 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 24.2771, 15.8717, 47.6829 by changing the saturation by 10% instead.

■ 24.2771, 15.8717,
47.6829

■ 24.2771, 15.8717,
47.6829

266.6330,
228.5835, 394.0062

■ 15.6651, 9.4334,
33.2176

■ 49.9334, 36.3753,
88.0927

■ 9.3769, 5.0249,
22.0207

■ 67.7085, 51.2095,
114.8743

■ 5.0469, 2.2619,
13.6737

■ 89.2686, 69.6110,
146.5985

■ 2.3098, 0.7534,
7.7579

■ 114.9792, 91.9643,
183.6837

■ 0.7997, 0.0000,
3.8549

■ 145.2056,
118.6538, 226.5486

■ 0.0000, 0.0000,
1.5461

180.3131,

■ 0.0000, 0.0000,

150.0639, 275.6116

0.2519

220.6671,
186.5790, 331.2913

■ 0.0000, 0.0000,
0.0000

■ 24.2771, 15.8717,
47.6829

■ 24.2771, 15.8717,
47.6829

■ 21.9697, 12.9122,
47.2335

■ 27.0211, 19.6128,
48.2606

■ 20.0648, 10.6694,
46.9010

■ 30.2284, 24.1894,
48.9750

■ 18.5259, 9.0710,
46.6736

■ 33.9257, 29.6528,
49.8346

■ 17.3049, 8.0222,
46.5355

■ 38.1368, 36.0496,
50.8474

■ 16.8885, 7.6948,
46.4943

■ 42.8841, 43.4229,
52.0204

■ 48.1883, 51.8134,
53.3604

■ 54.0693, 61.2591,
54.8736

■ 60.5456, 71.7963,
56.5661

■ 67.6351, 83.4594,
58.4437

Harmonies

Analogous

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



18.3939, 15.8717, 66.0475



24.2771, 15.8717, 47.6829



28.0282, 15.8717, 25.1884

Triad

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



24.2771, 15.8717, 47.6829



17.6398, 15.8717, 1.3418



7.0115, 15.8717, 27.7363

Complementary

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



24.2771, 15.8717, 47.6829



26.0370, 39.0053, 13.9417

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.



6.9043, 15.8717, 11.2312



24.2771, 15.8717, 47.6829



12.1998, 15.8717, 1.4375

Square

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



24.2771, 15.8717, 47.6829



23.6098, 15.8717, 3.2060



8.5677, 15.8717, 3.6850



8.9084, 15.8717, 50.4997

Rectangle

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



24.2771, 15.8717, 47.6829



28.3353, 15.8717, 13.8838



8.5677, 15.8717, 3.6850



6.7848, 15.8717, 21.1929

Sweetspot

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



24.2777, 15.8723, 47.6833



67.4557, 63.2644, 90.8606



18.5588, 18.0687, 48.4086



14.2076, 13.1268, 19.5065



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.2777, 15.8723, 47.6833



38.6526, 22.2758, 84.4670



30.1495, 19.0793, 39.8273



9.0794, 9.0073, 11.3395



11.5795, 5.2807, 31.6620



0.4712, 0.2186, 1.1191

Inverse Universe

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



26.1028, 17.4606, 18.5178



42.8805, 25.7769, 24.9591



22.8818, 37.3032, 17.2066



9.1260, 9.0608, 10.0107



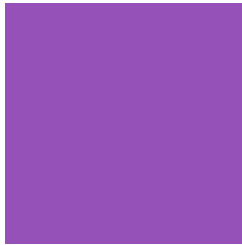
14.2511, 7.2742, 3.9429



0.5320, 0.2683, 0.2948

Previews

White Background



This preview shows how the XYZ color 24.2771, 15.8717, 47.6829 looks on a white background.

Color Contrast Check

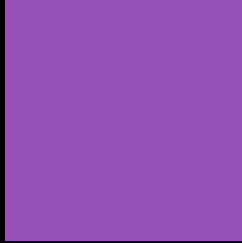
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2771, 15.8717, 47.6829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

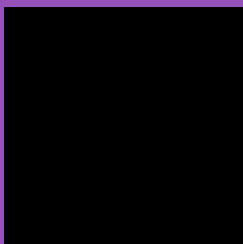
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2771, 15.8717, 47.6829

Background



This preview shows how black text looks on a background with the XYZ color 24.2771, 15.8717, 47.6829.



This preview shows how white text looks on a background with the XYZ color 24.2771, 15.8717,

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

24.2771, 15.8717, 47.6829

Protanopia

18.6418, 16.2125, 63.7748

Deuteranopia

16.5294, 16.1826, 44.9002



Tritanopia

17.8952, 15.8148, 16.5774

Trichromacy



Original Color

24.2771, 15.8717, 47.6829

Protanomaly

19.1482, 15.1235, 57.7870

Deuteranomaly

18.2497, 15.3529, 45.7176

Tritanomaly

19.6734, 15.5623, 25.6338

Monochromacy



Original Color

24.2771, 15.8717, 47.6829

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

17.9181, 15.6071, 26.4942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2771, 15.8717, 47.6829 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(150, 81, 185)` looks like.

```
.text, #text, p{  
    color:rgb(150, 81, 185)  
}
```

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(150, 81, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 81, 185) }
```

Border

The CSS property to change the border of an element to XYZ 24.2771, 15.8717, 47.6829 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(150, 81, 185) }
```


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

```
.border{ border-color:rgb(150, 81, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 81, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 81, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 81, 185);  
box-shadow:4px 4px 4px 4px rgb(150, 81,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2771, 15.8717, 47.6829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 81, 185) }
```

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

```
.background{ background-color: rgb(150, 81,  
185) }
```

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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