

Converting Colors

XYZ(19.6460, 12.0148, 76.1465)

Have a look what the booklet for
XYZ(19.6460, 12.0148, 76.1465)
contains.

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Color

**XYZ(19.6460, 12.0148,
76.1465)**

Conversions

Conversions Part 1

Format	Color
Hex	4C49E6
RGB	76, 73, 230
RGB Percent	30%, 29%, 90%
CMY	0.7019, 0.7137, 0.0980
CMYK	0.67, 0.68, 0.00, 0.10
HSL	241°, 76%, 59%
HSV	241°, 68%, 90%
XYZ	19.6460, 12.0148, 76.1465
YIQ	91.7950, -48.6090, 49.4630

Conversions

Conversions Part 2

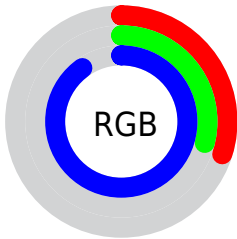
Format	Color
R _Y B	76, 73, 230
Decimal	4999654
CIE Lab	41.24, 48.91, -78.84
CIE LCh	41, 92.774, 301.814
Yxy	12.0148, 0.1822, 0.1114
Android (android.graphics.Color)	4283189734 (0xFF4C49E6)
YUV	91.7950, 68.1351, -13.8522
Hunter-Lab	34.6624, 40.5114, -105.9850

Details

The XYZ color **19.6460, 12.0148, 76.1465** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **61.1749, 73.4041, 17.2473**, and the grayscale version is **9.9830, 10.5029, 11.4377**.

A 20% lighter version of the original color is **36.2883, 27.1367, 97.9330**, and **7.9348, 3.8010, 39.8506** is the 20% darker color. If you saturate the color by 10%, you get **16.9155, 8.7635, 75.6632**, and if you desaturate by 10%, it is **23.5644, 16.7072, 76.8460**.

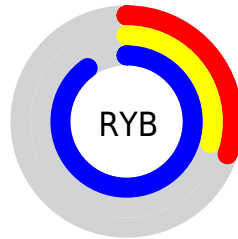
Distribution



 Red (30%)

 Green (29%)

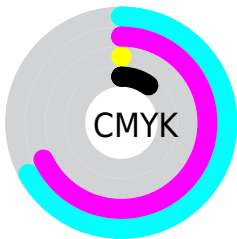
 Blue (90%)




 Red (30%)

 Yellow (29%)

 Blue (90%)

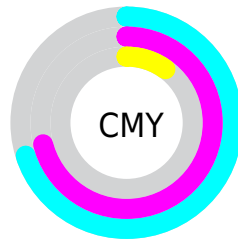


 Cyan (67%)

 Magenta (68%)

 Yellow (0%)

 Black (10%)



 Cyan (70%)

 Magenta (71%)

 Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6460, 12.0148, 76.1465 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 19.6460, 12.0148, 76.1465 by changing the saturation by 10% instead.

■ 19.6460, 12.0148,
76.1465

■ 19.6460, 12.0148,
76.1465

242.8625,
204.5032, 501.2092

■ 12.2447, 6.7538,
56.0453

■ 42.3314, 29.5221,
129.6960

■ 6.9840, 3.3086,
39.8350

■ 58.3462, 42.5371,
163.9813

■ 3.4983, 1.2949,
27.0971

■ 77.9629, 58.9055,
203.8317

■ 1.4224, 0.1372,
17.4131

■ 101.5469, 79.0118,
249.6657

■ 0.2721, 0.0000,
10.3644

■ 129.4635,
103.2403, 301.9020

■ 0.0000, 0.0000,
5.5325

162.0780,

■ 0.0000, 0.0000,

131.9755, 360.9589

2.4988

199.7559,
165.6017, 427.2552

■ 0.0000, 0.0000,
0.8395

■ 0.0000, 0.0000,
0.0000

■ 19.6460, 12.0148,
76.1465

■ 19.6460, 12.0148,
76.1465

■ 16.9155, 8.7635,
75.6632

■ 23.5644, 16.7072,
76.8460

■ 15.2367, 6.7866,
75.3701

■ 28.7828, 22.9808,
77.7819

■ 14.4307, 5.8538,
75.2325

■ 35.4028, 30.9601,
78.9732

■ 14.3382, 5.7417,
75.2158

■ 43.5154, 40.7568,
80.4365

■ 53.2039, 52.4732,
82.1874

■ 64.5454, 66.2041,
84.2400

■ 77.6120, 82.0378,
86.6075

■ 91.2830, 98.4932,
89.0632

Harmonies

Analogous

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



11.8324, 12.0148, 95.4577



19.6460, 12.0148, 76.1465



26.9537, 12.0148, 39.3913

Triad

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



19.6460, 12.0148, 76.1465



18.6492, 12.0148, 0.0000



2.7768, 12.0148, 14.2852

Complementary

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



19.6460, 12.0148, 76.1465



61.1749, 73.4041, 17.2473

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.



3.4126, 12.0148, 2.2482



19.6460, 12.0148, 76.1465



11.0167, 12.0148, 0.0000

Square

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



19.6460, 12.0148, 76.1465



26.2371, 12.0148, 1.6791



5.8858, 12.0148, 0.0000



3.5981, 12.0148, 43.7621

Rectangle

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



19.6460, 12.0148, 76.1465



29.5055, 12.0148, 19.0697



5.8858, 12.0148, 0.0000



2.8257, 12.0148, 8.5007

Sweetspot

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



19.6467, 12.0151, 76.1469



64.8136, 63.3817, 103.4256



44.6047, 62.2779, 84.5331



13.1107, 12.6445, 21.9996



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.



19.6467, 12.0151, 76.1469



20.3340, 9.8420, 95.4357



30.0141, 17.3596, 76.6320



13.6083, 13.9003, 18.1101



8.1290, 3.2566, 42.5833



0.6098, 0.2453, 3.1472

Inverse Universe

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



48.8795, 27.1335, 75.3268



59.6242, 30.1706, 93.9399



41.8726, 63.4535, 16.3440



14.9826, 14.6102, 18.1086



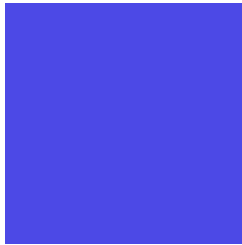
26.2205, 12.6224, 41.6517



1.9414, 0.9343, 3.0981

Previews

White Background



This preview shows how the XYZ color 19.6460, 12.0148, 76.1465 looks on a white background.

Color Contrast Check

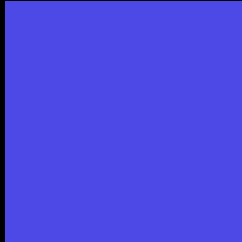
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6460, 12.0148, 76.1465 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

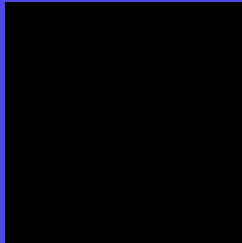
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6460, 12.0148, 76.1465

Background



This preview shows how black text looks on a background with the XYZ color 19.6460, 12.0148, 76.1465.



This preview shows how white text looks on a background with the XYZ color 19.6460, 12.0148,

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

19.6460, 12.0148, 76.1465

Protanopia

13.9924, 11.8599, 54.3750

Deuteranopia

11.5297, 11.7508, 38.7062



Tritanopia

8.3522, 11.7532, 18.0480

Trichromacy



Original Color

19.6460, 12.0148, 76.1465

Protanomaly

15.3153, 11.5059, 61.7353

Deuteranomaly

13.5390, 11.3208, 50.7618

Tritanomaly

10.6569, 10.8656, 33.4339

Monochromacy



Original Color

19.6460, 12.0148, 76.1465

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.9687, 10.4284, 26.9733

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6460, 12.0148, 76.1465 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(76, 73, 230)` looks like.

```
.text, #text, p{  
    color:rgb(76, 73, 230)  
}
```

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(76, 73, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 73, 230) }
```

Border

The CSS property to change the border of an element to XYZ 19.6460, 12.0148, 76.1465 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(76, 73, 230) }
```


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

```
.border{ border-color:rgb(76, 73, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 73, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 73, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 73, 230);  
box-shadow:4px 4px 4px 4px rgb(76, 73,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6460, 12.0148, 76.1465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 73, 230) }
```

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

```
.background{ background-color: rgb(76, 73,  
230) }
```

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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