

Converting Colors

XYZ(19.2712, 11.8645, 74.2547)

Have a look what the booklet for
XYZ(19.2712, 11.8645, 74.2547)
contains.

XYZ(19.2282, 11.8476, 73.9464)	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(19.2282, 11.8476,
73.9464)**

Conversions

Conversions Part 1

Format	Color
Hex	4C49E3
RGB	76, 73, 227
RGB Percent	30%, 29%, 89%
CMY	0.7019, 0.7137, 0.1098
CMYK	0.67, 0.68, 0.00, 0.11
HSL	241°, 73%, 59%
HSV	241°, 68%, 89%
XYZ	19.2282, 11.8476, 73.9464
YIQ	91.4530, -47.6460, 48.5300

Conversions

Conversions Part 2

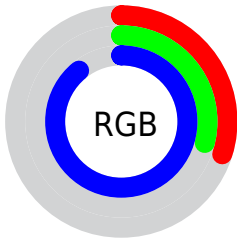
Format	Color
R _Y B	76, 73, 227
Decimal	4999651
CIE Lab	40.97, 47.95, -77.57
CIE LCh	41, 91.192, 301.721
Yxy	11.8476, 0.1831, 0.1128
Android (android.graphics.Color)	4283189731 (0xFF4C49E3)
YUV	91.4530, 66.8247, -13.5523
Hunter-Lab	34.4203, 39.4797, -103.2805

Details

The XYZ color **19.2282, 11.8476, 73.9464** 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 **59.4088, 71.2649, 16.9274**, and the grayscale version is **9.9080, 10.4239, 11.3517**.

A 20% lighter version of the original color is **36.2883, 27.1367, 97.9330**, and **7.6476, 3.6861, 38.3386** is the 20% darker color. If you saturate the color by 10%, you get **16.5267, 8.6304, 73.4681**, and if you desaturate by 10%, it is **23.0864, 16.4684, 74.6353**.

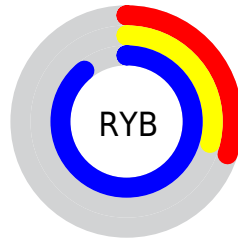
Distribution



Red (30%)

Green (29%)

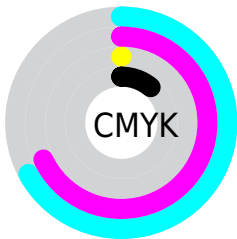
Blue (89%)



Red (30%)

Yellow (29%)

Blue (89%)

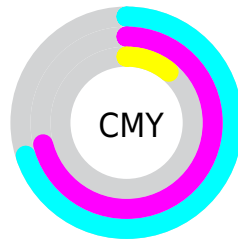


Cyan (67%)

Magenta (68%)

Yellow (0%)

Black (11%)



Cyan (70%)

Magenta (71%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2282, 11.8476, 73.9464 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 19.2282, 11.8476, 73.9464 by changing the saturation by 10% instead.

■ 19.2282, 11.8476,
73.9464

■ 19.2282, 11.8476,
73.9464

240.6197,
203.3937, 493.4468

■ 11.9403, 6.6400,
54.2536

■ 41.6332, 29.2172,
126.5532

■ 6.7749, 3.2380,
38.4099

■ 57.4811, 42.1480,
160.3043

■ 3.3668, 1.2572,
25.9967

■ 76.9129, 58.4221,
199.5785

■ 1.3506, 0.1077,
16.5954

■ 100.2941, 78.4236,
244.7946

■ 0.2206, 0.0000,
9.7876

■ 127.9900,
102.5372, 296.3709

■ 0.0000, 0.0000,
5.1546

160.3660,

■ 0.0000, 0.0000,

131.1472, 354.7260

2.2779

197.7875,
164.6379, 420.2784

■ 0.0000, 0.0000,
0.7188

■ 0.0000, 0.0000,
0.0000

■ 19.2282, 11.8476,
73.9464

■ 19.2282, 11.8476,
73.9464

■ 16.5267, 8.6304,
73.4681

■ 23.0864, 16.4684,
74.6353

■ 14.8512, 6.6568,
73.1755

■ 28.2090, 22.6275,
75.5541

■ 14.0340, 5.7120,
73.0362

■ 34.6940, 30.4448,
76.7212

■ 13.9208, 5.5747,
73.0157

■ 42.6289, 40.0280,
78.1527

■ 52.0940, 51.4758,
79.8635

■ 63.1639, 64.8798,
81.8673

■ 75.9081, 80.3251,
84.1769

■ 90.3920, 97.8923,
86.8043

■ 90.8652, 98.3261,
86.8631

Harmonies

Analogous

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



11.6417, 11.8476, 92.4422



19.2282, 11.8476, 73.9464



26.3150, 11.8476, 38.5055

Triad

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



19.2282, 11.8476, 73.9464



18.3111, 11.8476, 0.0000



2.8000, 11.8476, 14.0092

Complementary

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



19.2282, 11.8476, 73.9464



59.4088, 71.2649, 16.9274

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.



3.4322, 11.8476, 2.2675



19.2282, 11.8476, 73.9464



10.8883, 11.8476, 0.0000

Square

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



19.2282, 11.8476, 73.9464



25.6572, 11.8476, 1.7303



5.8690, 11.8476, 0.0000



3.6056, 11.8476, 42.5105

Rectangle

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



19.2282, 11.8476, 73.9464



28.7955, 11.8476, 18.7960



5.8690, 11.8476, 0.0000



2.8497, 11.8476, 8.3873

Sweetspot

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



19.2289, 11.8479, 73.9467



64.8190, 63.3845, 103.4258



43.3851, 60.5072, 82.0658



13.1119, 12.6451, 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.



19.2289, 11.8479, 73.9467



20.5669, 10.1140, 95.4759



29.3027, 17.0411, 74.4182



13.6088, 13.9005, 18.1101



8.1299, 3.2570, 42.5833



0.6100, 0.2455, 3.1472

Inverse Universe

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



47.5142, 26.4771, 73.1194



59.7219, 30.3735, 93.9494



40.7821, 61.6625, 16.0557



14.9823, 14.6101, 18.1073



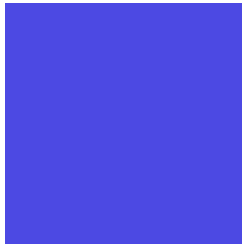
26.2138, 12.6197, 41.6165



1.9410, 0.9341, 3.0959

Previews

White Background



This preview shows how the XYZ color 19.2282, 11.8476, 73.9464 looks on a white background.

Color Contrast Check

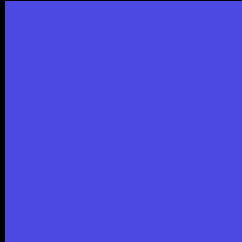
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2282, 11.8476, 73.9464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

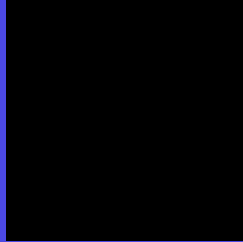
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2282, 11.8476, 73.9464

Background



This preview shows how black text looks on a background with the XYZ color 19.2282, 11.8476, 73.9464.



This preview shows how white text looks on a background with the XYZ color 19.2282, 11.8476,

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

19.2282, 11.8476, 73.9464

Protanopia

13.7647, 11.7688, 53.1759

Deuteranopia

11.4369, 11.7137, 38.2174



Tritanopia

8.2950, 11.7303, 17.7466

Trichromacy



Original Color

19.2282, 11.8476, 73.9464

Protanomaly

15.0692, 11.4074, 60.4391

Deuteranomaly

13.3204, 11.2333, 49.6103

Tritanomaly

10.4875, 10.7979, 32.5418

Monochromacy



Original Color

19.2282, 11.8476, 73.9464

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.7417, 10.2125, 26.1633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2282, 11.8476, 73.9464 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(76, 73, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 73, 227) }
```

Border

The CSS property to change the border of an element to XYZ 19.2282, 11.8476, 73.9464 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, 227) }
```


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

```
.border{ border-color:rgb(76, 73, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 73, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 73, 227);  
box-shadow:4px 4px 4px 4px rgb(76, 73,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2282, 11.8476, 73.9464 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, 227) }
```

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

```
.background{ background-color: rgb(76, 73,  
227) }
```

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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