

Converting Colors

XYZ(19.5082, 16.7158, 46.4142)

Have a look what the booklet for
XYZ(19.5082, 16.7158, 46.4142)
contains.

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Color

**XYZ(19.5414, 16.7496,
46.4590)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6AB6
RGB	106, 106, 182
RGB Percent	42%, 42%, 71%
CMY	0.5843, 0.5843, 0.2863
CMYK	0.42, 0.42, 0.00, 0.29
HSL	240°, 34%, 56%
HSV	240°, 42%, 71%
XYZ	19.5414, 16.7496, 46.4590
YIQ	114.6640, -24.3960, 23.6360

Conversions

Conversions Part 2

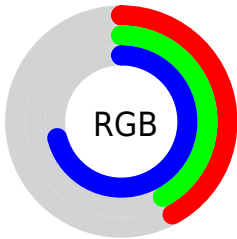
Format	Color
R _{YB}	106, 106, 182
Decimal	6974134
CIE Lab	47.94, 19.49, -40.32
CIE LCh	48, 44.784, 295.795
Yxy	16.7496, 0.2361, 0.2024
Android (android.graphics.Color)	4285164214 (0xFF6A6AB6)
YUV	114.6640, 33.1966, -7.5983
Hunter-Lab	40.9263, 13.6089, -38.6569

Details

The XYZ color **19.5414, 16.7496, 46.4590** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.6207, 44.4417, 20.1787**, and the grayscale version is **16.1028, 16.9414, 18.4492**.

A 20% lighter version of the original color is **41.9868, 37.7606, 85.9645**, and **6.9426, 5.4430, 21.4536** is the 20% darker color. If you saturate the color by 10%, you get **15.9230, 12.3895, 45.8084**, and if you desaturate by 10%, it is **24.0181, 22.1435, 47.2645**.

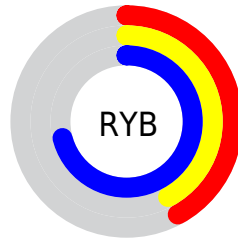
Distribution



Red (42%)

Green (42%)

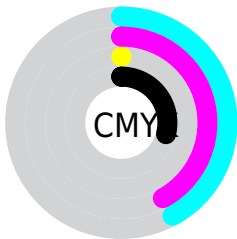
Blue (71%)



Red (42%)

Yellow (42%)

Blue (71%)

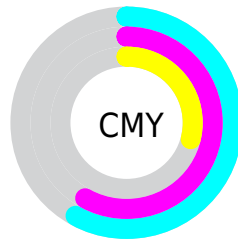


Cyan (42%)

Magenta (42%)

Yellow (0%)

Black (29%)



Cyan (58%)

Magenta (58%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5414, 16.7496, 46.4590 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 19.5414, 16.7496, 46.4590 by changing the saturation by 10% instead.

■ 19.5414, 16.7496,
46.4590

■ 19.5414, 16.7496,
46.4590

242.3027,
233.7252, 388.9820

■ 12.1684, 10.0561,
32.2569

■ 42.1568, 37.8947,
86.2470

■ 6.9315, 5.4362,
21.2914

■ 58.1299, 53.1152,
112.6700

■ 3.4653, 2.5054,
13.1438

■ 77.7005, 71.9468,
144.0037

■ 1.4043, 0.8793,
7.3958

■ 101.2339, 94.7739,
180.6667

■ 0.2593, 0.0000,
3.6286

129.0955,
121.9809, 223.0775

■ 0.0000, 0.0000,
1.4239

161.6506,

■ 0.0000, 0.0000,

153.9522, 271.6546

0.1603

199.2645,
191.0722, 326.8166

■ 0.0000, 0.0000,
0.0000

■ 19.5414, 16.7496,
46.4590

■ 19.5414, 16.7496,
46.4590

■ 15.9230, 12.3895,
45.8084

■ 24.0181, 22.1435,
47.2645

■ 13.1062, 8.9955,
45.3018

■ 29.4010, 28.6296,
48.2327

■ 11.0307, 6.4947,
44.9285

■ 35.7368, 36.2640,
49.3724

■ 9.6268, 4.8031,
44.6760

■ 43.0686, 45.0983,
50.6912

■ 8.8115, 3.8207,
44.5293

■ 51.4365, 55.1812,
52.1963

■ 8.4436, 3.3775,
44.4632

■ 60.8788, 66.5587,
53.8947

■ 71.4315, 79.2742,
55.7929

■ 83.1292, 93.3693,
57.8970

■ 85.4436, 96.1574,
58.3132

Harmonies

Analogous

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



15.3578, 16.7496, 50.5953



19.5414, 16.7496, 46.4590



23.2392, 16.7496, 33.8017

Triad

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



19.5414, 16.7496, 46.4590



20.6931, 16.7496, 5.3401



9.3669, 16.7496, 16.6560

Complementary

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



19.5414, 16.7496, 46.4590



38.6207, 44.4417, 20.1787

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.



10.3257, 16.7496, 8.3794



19.5414, 16.7496, 46.4590



16.4958, 16.7496, 3.8392

Square

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



19.5414, 16.7496, 46.4590



23.9791, 16.7496, 10.1749



12.7761, 16.7496, 4.6533



9.9052, 16.7496, 29.7193

Rectangle

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



19.5414, 16.7496, 46.4590



24.6904, 16.7496, 24.2529



12.7761, 16.7496, 4.6533



9.5197, 16.7496, 13.3093

Sweetspot

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



19.5420, 16.7502, 46.4594



62.9995, 63.5881, 89.1890



31.1157, 39.8978, 50.3174



13.3336, 13.3446, 19.5946



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.



19.5420, 16.7502, 46.4594



29.4044, 23.1081, 83.1462



25.0995, 19.6152, 46.7195



8.5212, 8.7195, 11.3134



5.9628, 2.3851, 31.3992



0.2102, 0.0841, 1.1069

Inverse Universe

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



32.8891, 23.6309, 47.0829



56.8290, 37.2461, 84.4271



30.8314, 40.4262, 19.8141



9.3810, 9.1628, 11.3535



19.5857, 9.4080, 32.0347



0.6904, 0.3317, 1.1293

Previews

White Background



This preview shows how the XYZ color 19.5414, 16.7496, 46.4590 looks on a white background.

Color Contrast Check

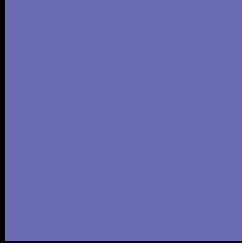
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5414, 16.7496, 46.4590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

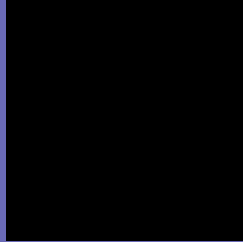
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5414, 16.7496, 46.4590

Background



This preview shows how black text looks on a background with the XYZ color 19.5414, 16.7496, 46.4590.

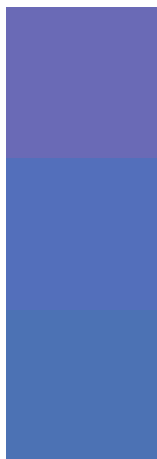


This preview shows how white text looks on a background with the XYZ color 19.5414, 16.7496,

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

19.5414, 16.7496, 46.4590

Protanopia

18.2214, 16.7957, 49.2952

Deuteranopia

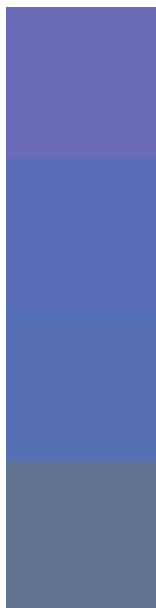
17.2360, 16.8664, 45.5271



Tritanopia

14.7228, 16.7645, 22.5386

Trichromacy



Original Color

19.5414, 16.7496, 46.4590

Protanomaly

18.5400, 16.6642, 48.1383

Deuteranomaly

17.9554, 16.7313, 45.9992

Tritanomaly

16.2135, 16.6826, 29.9693

Monochromacy



Original Color

19.5414, 16.7496, 46.4590

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.1365, 16.8972, 26.7844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5414, 16.7496, 46.4590 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(106, 106, 182)` looks like.

```
.text, #text, p{  
    color:rgb(106, 106, 182)  
}
```

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(106, 106, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 106, 182) }
```

Border

The CSS property to change the border of an element to XYZ 19.5414, 16.7496, 46.4590 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(106, 106, 182) }
```


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

```
.border{ border-color:rgb(106, 106, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 106, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 106, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 106, 182);  
box-shadow:4px 4px 4px 4px rgb(106, 106,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5414, 16.7496, 46.4590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 106, 182) }
```

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

```
.background{ background-color: rgb(106,  
106, 182) }
```

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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