

Converting Colors

XYZ(46.7722, 47.5593, 70.9541)

Have a look what the booklet for
XYZ(46.7722, 47.5593, 70.9541)
contains.

XYZ(46.6729, 47.4762, 70.9939)	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(46.6729, 47.4762,
70.9939)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB6D7
RGB	175, 182, 215
RGB Percent	69%, 71%, 84%
CMY	0.3137, 0.2863, 0.1569
CMYK	0.19, 0.15, 0.00, 0.16
HSL	229°, 33%, 76%
HSV	229°, 19%, 84%
XYZ	46.6729, 47.4762, 70.9939
YIQ	183.6690, -14.7650, 8.7790

Conversions

Conversions Part 2

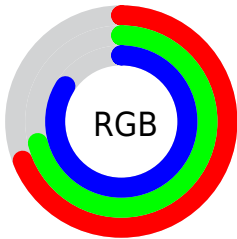
Format	Color
R_{YB}	175, 181, 215
Decimal	11515607
CIE _{Lab}	74.49, 4.41, -17.40
CIE _{LCh}	74, 17.954, 284.221
Yxy	47.4762, 0.2826, 0.2875
Android (android.graphics.Color)	4289705687 (0xFFAFB6D7)
YUV	183.6690, 15.4462, -7.6027
Hunter-Lab	68.9030, 0.3306, -12.8571

Details

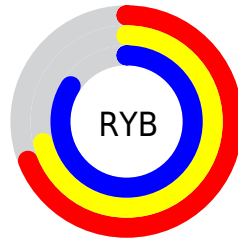
The XYZ color **46.6729, 47.4762, 70.9939** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **58.3184, 62.6539, 49.5782**, and the grayscale version is **45.3021, 47.6613, 51.9031**.

A 20% lighter version of the original color is **81.5795, 85.3580, 106.7838**, and **22.2215, 22.3762, 36.4055** is the 20% darker color. If you saturate the color by 10%, you get **38.8211, 38.3744, 69.6517**, and if you desaturate by 10%, it is **55.7560, 57.8981, 72.5276**.

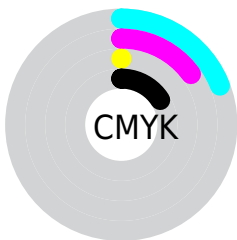
Distribution



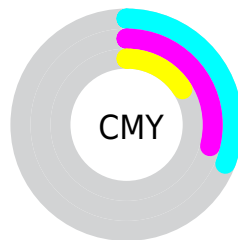
- Red (69%)
- Green (71%)
- Blue (84%)



- Red (69%)
- Yellow (71%)
- Blue (84%)



- Cyan (19%)
- Magenta (15%)
- Yellow (0%)
- Black (16%)



- Cyan (31%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6729, 47.4762, 70.9939 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 46.6729, 47.4762, 70.9939 by changing the saturation by 10% instead.

■ 46.6729, 47.4762,
70.9939

■ 46.6729, 47.4762,
70.9939

364.1781,
376.7121, 482.9152

■ 32.9840, 33.4123,
51.8554

■ 84.4469, 86.4240,
122.3194

■ 22.2734, 22.4425,
36.5084

109.2627,
112.0767, 155.3435

■ 14.1756, 14.1824,
24.5343

138.5181,
142.3610, 193.8333

■ 8.3254, 8.2476,
15.5146

172.5786,
177.6615, 238.2072

■ 4.3574, 4.2538,
9.0307

211.8095,
218.3624, 288.8838

■ 1.9063, 1.8165,
4.6641

256.5762,

■ 0.5805, 0.4974,

264.8483, 346.2816

1.9963

307.2439,
317.5034, 410.8192

■ 0.0000, 0.0000,
0.5530

■ 0.0000, 0.0000,
0.0000

■ 46.6729, 47.4762,
70.9939

■ 46.6729, 47.4762,
70.9939

■ 38.8211, 38.3744,
69.6517

■ 55.7560, 57.8981,
72.5276

■ 32.1429, 30.5340,
68.4903

■ 66.1160, 69.6841,
74.2565

■ 26.5822, 23.9001,
67.5029

■ 77.8019, 82.8837,
76.1883

■ 22.0767, 18.4119,
66.6811

■ 88.6154, 96.3853,
78.2245

■ 18.5578, 14.0028,
66.0155

■ 89.2659, 97.6864,
78.4413

■ 15.9486, 10.5992,
65.4960

■ 14.1601, 8.1176,
65.1113

■ 13.0660, 6.4509,
64.8473

■ 12.9474, 6.2695,
64.8185

Harmonies

Analogous

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



43.4514, 47.4762, 70.8389



46.6729, 47.4762, 70.9939



49.6116, 47.4762, 65.5665

Triad

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



46.6729, 47.4762, 70.9939



49.7393, 47.4762, 40.2194



39.3899, 47.4762, 46.9911

Complementary

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



46.6729, 47.4762, 70.9939



58.3184, 62.6539, 49.5782

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.



40.9168, 47.4762, 39.9300



46.6729, 47.4762, 70.9939



46.8404, 47.4762, 36.3517

Square

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



46.6729, 47.4762, 70.9939



51.4385, 47.4762, 47.4321



43.6111, 47.4762, 36.2525



39.3499, 47.4762, 56.2028

Rectangle

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



46.6729, 47.4762, 70.9939



50.9716, 47.4762, 59.8495



43.6111, 47.4762, 36.2525



39.7429, 47.4762, 44.3143

Sweetspot

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



46.6744, 47.4781, 70.9950



85.7483, 89.4225, 107.3486



53.3248, 62.2534, 68.6662



18.1460, 18.9033, 22.9423



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.



46.6744, 47.4781, 70.9950



64.3086, 64.8123, 103.7283



48.2537, 46.2165, 70.6682



11.9166, 12.3567, 15.6945



7.7983, 3.8584, 38.7869



0.5249, 0.3417, 2.3576

Inverse Universe

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



51.7990, 48.4856, 50.8867



73.1145, 66.6505, 69.1516



56.4866, 64.3000, 49.9925



12.5111, 12.4559, 13.3658



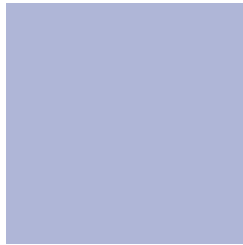
16.9951, 8.7344, 2.0123



1.0526, 0.5378, 0.2662

Previews

White Background



This preview shows how the XYZ color 46.6729, 47.4762, 70.9939 looks on a white background.

Color Contrast Check

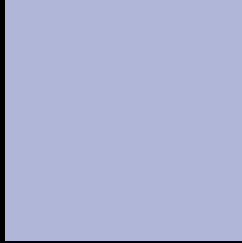
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.6729, 47.4762, 70.9939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

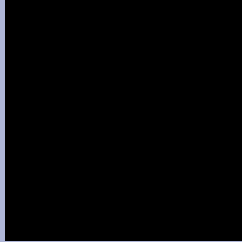
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6729, 47.4762, 70.9939

Background



This preview shows how black text looks on a background with the XYZ color 46.6729, 47.4762, 70.9939.



This preview shows how white text looks on a background with the XYZ color 46.6729, 47.4762,

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

46.6729, 47.4762, 70.9939

Protanopia

47.1252, 47.7093, 71.0150

Deuteranopia

48.5224, 47.5124, 71.5791



Tritanopia

44.6710, 47.5921, 60.8646

Trichromacy



Original Color

46.6729, 47.4762, 70.9939

Protanomaly

46.8982, 47.5923, 71.0044

Deuteranomaly

47.7720, 47.4241, 71.6017

Tritanomaly

45.3935, 47.5730, 64.5476

Monochromacy



Original Color

46.6729, 47.4762, 70.9939

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.8399, 47.6309, 58.4074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6729, 47.4762, 70.9939 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(175, 182, 215)` looks like.

```
.text, #text, p{  
    color:rgb(175, 182, 215)  
}
```

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(175, 182, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 182, 215) }
```

Border

The CSS property to change the border of an element to XYZ 46.6729, 47.4762, 70.9939 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(175, 182, 215) }
```


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

```
.border{ border-color:rgb(175, 182, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 182, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 182, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 182, 215);  
box-shadow:4px 4px 4px 4px rgb(175, 182,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6729, 47.4762, 70.9939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 182, 215) }
```

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

```
.background{ background-color: rgb(175,  
182, 215) }
```

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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