

Converting Colors

XYZ(46.9481, 49.5545, 70.6726)

Have a look what the booklet for
XYZ(46.9481, 49.5545, 70.6726)
contains.

XYZ(46.9154, 49.4794, 70.6961)	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(46.9154, 49.4794,
70.6961)**

Conversions

Conversions Part 1

Format	Color
Hex	ABBCD6
RGB	171, 188, 214
RGB Percent	67%, 74%, 84%
CMY	0.3294, 0.2627, 0.1608
CMYK	0.20, 0.12, 0.00, 0.16
HSL	216°, 34%, 75%
HSV	216°, 20%, 84%
XYZ	46.9154, 49.4794, 70.6961
YIQ	185.8810, -18.4780, 4.4820

Conversions

Conversions Part 2

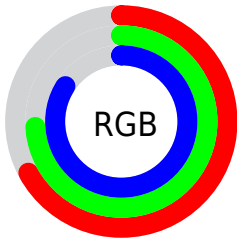
Format	Color
R_{YB}	171, 183, 214
Decimal	11254998
CIE _{Lab}	75.75, -0.32, -15.00
CIE _{LCh}	76, 15.000, 268.786
Yxy	49.4794, 0.2808, 0.2961
Android (android.graphics.Color)	4289445078 (0xFFABBCD6)
YUV	185.8810, 13.8627, -13.0506
Hunter-Lab	70.3416, -4.0445, -10.3497

Details

The XYZ color **46.9154, 49.4794, 70.6961** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **55.0490, 57.1690, 46.6626**, and the grayscale version is **46.5390, 48.9627, 53.3203**.

A 20% lighter version of the original color is **82.0792, 88.2523, 107.3161**, and **22.3932, 23.6827, 36.1919** is the 20% darker color. If you saturate the color by 10%, you get **39.9850, 41.9869, 69.6160**, and if you desaturate by 10%, it is **54.8513, 57.8607, 71.8964**.

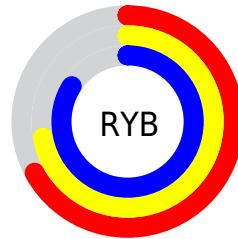
Distribution



Red (67%)

Green (74%)

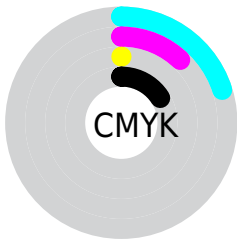
Blue (84%)



Red (67%)

Yellow (72%)

Blue (84%)

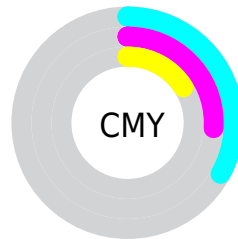


Cyan (20%)

Magenta (12%)

Yellow (0%)

Black (16%)



Cyan (33%)

Magenta (26%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9154, 49.4794, 70.6961 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 46.9154, 49.4794, 70.6961 by changing the saturation by 10% instead.

■ 46.9154, 49.4794,
70.6961

■ 46.9154, 49.4794,
70.6961

365.1313,
384.6266, 481.8454

■ 33.1764, 34.9999,
51.6139

■ 84.8068, 89.4031,
121.8913

■ 22.4215, 23.6628,
36.3173

109.6900,
115.6160, 154.8414

■ 14.2853, 15.0837,
24.3877

139.0187,
146.5089, 193.2513

■ 8.4024, 8.8781,
15.4066

173.1582,
182.4662, 237.5394

■ 4.4074, 4.6618,
8.9555

212.4738,
223.8722, 288.1243

■ 1.9351, 2.0502,
4.6157

257.3310,

■ 0.5971, 0.6364,

271.1113, 345.4246

1.9689

308.0950,
324.5680, 409.8588

■ 0.0000, 0.0000,
0.5360

■ 0.0000, 0.0000,
0.0000

■ 46.9154, 49.4794,
70.6961

■ 46.9154, 49.4794,
70.6961

■ 39.9850, 41.9869,
69.6160

■ 54.8513, 57.8607,
71.8964

■ 34.0130, 35.3454,
68.6488

■ 63.8282, 67.1545,
73.2171

■ 28.9546, 29.5232,
67.7916

■ 73.8854, 77.3913,
74.6630

■ 24.7600, 24.4840,
67.0400

■ 84.4667, 88.2930,
76.2095

■ 21.3738, 20.1884,
66.3894

■ 88.4074, 96.1744,
77.5231

■ 18.7336, 16.5926,
65.8345

■ 89.1378, 97.6351,
77.7665

■ 16.7662, 13.6466,
65.3695

■ 15.3561, 11.2917,
64.9893

Harmonies

Analogous

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



44.3095, 49.4794, 68.0740



46.9154, 49.4794, 70.6961



49.6530, 49.4794, 68.4542

Triad

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



46.9154, 49.4794, 70.6961



51.8765, 49.4794, 46.8263



42.5987, 49.4794, 46.3160

Complementary

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



46.9154, 49.4794, 70.6961



55.0490, 57.1690, 46.6626

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.



44.4985, 49.4794, 41.5277



46.9154, 49.4794, 70.6961



49.8569, 49.4794, 41.8013

Square

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



46.9154, 49.4794, 70.6961



52.5844, 49.4794, 54.2000



47.1422, 49.4794, 39.9586



41.8787, 49.4794, 53.5506

Rectangle

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



46.9154, 49.4794, 70.6961



51.1703, 49.4794, 64.6168



47.1422, 49.4794, 39.9586



43.1168, 49.4794, 44.3944

Sweetspot

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



46.9169, 49.4814, 70.6972



86.7631, 91.4521, 107.6869



50.8973, 60.7741, 61.7522



18.3853, 19.3819, 23.0220



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.



46.9169, 49.4814, 70.6972



65.3178, 68.8048, 104.4458



44.4482, 43.1308, 69.6015



12.1414, 12.8063, 15.7695



9.3766, 7.0150, 39.3130



0.6451, 0.5823, 2.3977

Inverse Universe

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



51.3728, 47.0540, 53.9539



73.1420, 64.8165, 74.9844



57.8912, 64.6919, 47.9648



12.6246, 12.5013, 13.9633



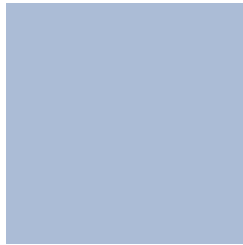
17.7917, 9.0530, 6.2074



1.1133, 0.5621, 0.5859

Previews

White Background



This preview shows how the XYZ color 46.9154, 49.4794, 70.6961 looks on a white background.

Color Contrast Check

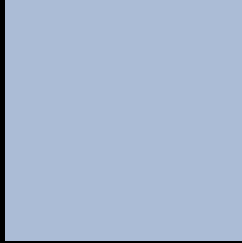
Large Text (above 18pt) WCAG AA × Fail

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 46.9154, 49.4794, 70.6961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

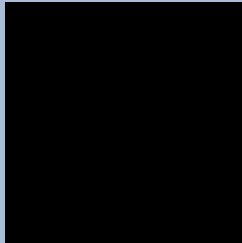
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

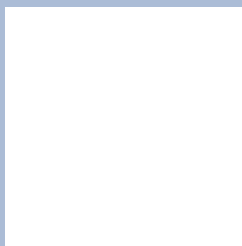
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.9154, 49.4794, 70.6961

Background



This preview shows how black text looks on a background with the XYZ color 46.9154, 49.4794, 70.6961.



This preview shows how white text looks on a background with the XYZ color 46.9154, 49.4794,

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

46.9154, 49.4794, 70.6961

Protanopia

48.5240, 49.3965, 69.2643

Deuteranopia

50.4795, 49.4386, 71.1720



Tritanopia

45.7951, 49.6697, 64.9312

Trichromacy



Original Color

46.9154, 49.4794, 70.6961

Protanomaly

47.9292, 49.3869, 69.9573

Deuteranomaly

49.1734, 49.3776, 71.2291

Tritanomaly

46.1603, 49.4953, 66.7951

Monochromacy



Original Color

46.9154, 49.4794, 70.6961

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.7902, 49.3499, 59.2839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9154, 49.4794, 70.6961 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(171, 188, 214)` looks like.

```
.text, #text, p{  
    color:rgb(171, 188, 214)  
}
```

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(171, 188, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 188, 214) }
```

Border

The CSS property to change the border of an element to XYZ 46.9154, 49.4794, 70.6961 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(171, 188, 214) }
```


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

```
.border{ border-color:rgb(171, 188, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 188, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 188, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 188, 214);  
box-shadow:4px 4px 4px 4px rgb(171, 188,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9154, 49.4794, 70.6961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 188, 214) }
```

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

```
.background{ background-color: rgb(171,  
188, 214) }
```

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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