

Converting Colors

XYZ(46.2110, 49.8133, 73.3053)

Have a look what the booklet for
XYZ(46.2110, 49.8133, 73.3053)
contains.

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Color

**XYZ(46.1726, 49.6754,
73.4844)**

Conversions

Conversions Part 1

Format	Color
Hex	A3BEDA
RGB	163, 190, 218
RGB Percent	64%, 75%, 85%
CMY	0.3608, 0.2549, 0.1451
CMYK	0.25, 0.13, 0.00, 0.15
HSL	211°, 43%, 75%
HSV	211°, 25%, 85%
XYZ	46.1726, 49.6754, 73.4844
YIQ	185.1190, -25.0800, 2.9840

Conversions

Conversions Part 2

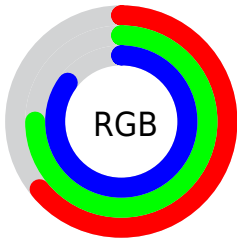
Format	Color
RYB	163, 181, 218
Decimal	10731226
CIELab	75.87, -2.94, -17.04
CIELCh	76, 17.287, 260.222
Yxy	49.6754, 0.2727, 0.2934
Android (android.graphics.Color)	4288921306 (0xFFFA3BEDA)
YUV	185.1190, 16.2103, -19.3984
Hunter-Lab	70.4808, -6.4044, -12.4802

Details

The XYZ color **46.1726, 49.6754, 73.4844** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **54.1557, 54.8117, 42.3770**, and the grayscale version is **46.1042, 48.5052, 52.8221**.

A 20% lighter version of the original color is **80.2192, 88.1916, 107.4024**, and **21.9869, 23.8507, 38.0951** is the 20% darker color. If you saturate the color by 10%, you get **39.7754, 42.9452, 72.5233**, and if you desaturate by 10%, it is **53.5253, 57.1723, 74.5448**.

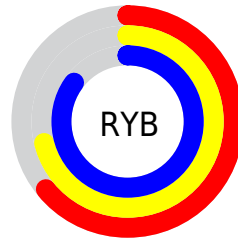
Distribution



Red (64%)

Green (75%)

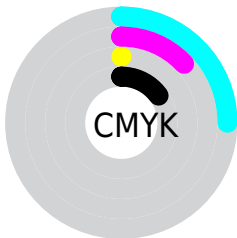
Blue (85%)



Red (64%)

Yellow (71%)

Blue (85%)

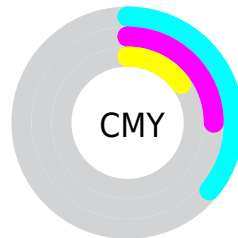


Cyan (25%)

Magenta (13%)

Yellow (0%)

Black (15%)



Cyan (36%)

Magenta (25%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1726, 49.6754, 73.4844 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 46.1726, 49.6754, 73.4844 by changing the saturation by 10% instead.

■ 46.1726, 49.6754,
73.4844

■ 46.1726, 49.6754,
73.4844

362.2064,
385.3952, 491.8077

■ 32.5872, 35.1555,
53.8779

■ 83.7035, 89.6937,
125.8919

■ 21.9682, 23.7827,
38.1115

■ 108.3798,
115.9610, 159.5300

■ 13.9500, 15.1725,
25.7668

137.4838,
146.9129, 198.6824

■ 8.1673, 8.9406,
16.4250

171.3808,
182.9338, 243.7677

■ 4.2549, 4.7024,
9.6678

210.4362,
224.4081, 295.2043

■ 1.8473, 2.0737,
5.0766

255.0154,

■ 0.5459, 0.6498,

271.7201, 353.4108

2.2327

305.4837,
325.2544, 418.8057

■ 0.0000, 0.0000,
0.6932

■ 0.0000, 0.0000,
0.0000

■ 46.1726, 49.6754,
73.4844

■ 46.1726, 49.6754,
73.4844

■ 39.7754, 42.9452,
72.5233

■ 53.5253, 57.1723,
74.5448

■ 34.2855, 36.9472,
71.6550

■ 61.8696, 65.4567,
75.7040

■ 29.6574, 31.6530,
70.8770

■ 71.2449, 74.5558,
76.9662

■ 25.8393, 27.0293,
70.1858

■ 81.6873, 84.4937,
78.3340

■ 22.7731, 23.0396,
69.5773

■ 86.6963, 91.9245,
79.5043

■ 20.3920, 19.6424,
69.0471

■ 89.6550, 97.8420,
80.4905

■ 18.6150, 16.7885,
68.5899

■ 17.9155, 15.5829,
68.3940

Harmonies

Analogous

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



43.3681, 49.6754, 68.8717



46.1726, 49.6754, 73.4844



49.3848, 49.6754, 72.4657

Triad

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



46.1726, 49.6754, 73.4844



53.2583, 49.6754, 48.1947



42.6204, 49.6754, 43.5302

Complementary

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



46.1726, 49.6754, 73.4844



54.1557, 54.8117, 42.3770

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.



45.1096, 49.6754, 39.1141



46.1726, 49.6754, 73.4844



51.2828, 49.6754, 41.5876

Square

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



46.1726, 49.6754, 73.4844



53.5746, 49.6754, 57.1517



48.2729, 49.6754, 38.4458



41.3796, 49.6754, 51.1359

Rectangle

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



46.1726, 49.6754, 73.4844



51.3217, 49.6754, 68.7680



48.2729, 49.6754, 38.4458



43.3334, 49.6754, 41.6617

Sweetspot

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



46.1741, 49.6774, 73.4855



84.7151, 89.8864, 107.4926



49.5257, 61.6699, 58.2965



17.7394, 18.8503, 22.9535



0.0000, 0.0000, 0.0000



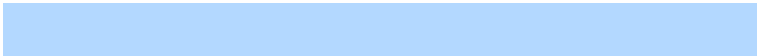
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.1741, 49.6774, 73.4855



61.0956, 65.8853, 104.1048



40.8575, 39.0442, 71.7133



12.8639, 13.6675, 16.6122



10.8403, 9.5501, 41.0104



0.7884, 0.7909, 2.6856

Inverse Universe

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



51.3061, 44.8188, 54.6642



69.6621, 58.2610, 72.5784



60.5966, 67.6935, 44.5239



13.3212, 13.1576, 14.9524



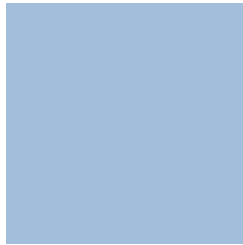
18.9670, 9.5878, 9.4723



1.2722, 0.6385, 0.8426

Previews

White Background



This preview shows how the XYZ color 46.1726, 49.6754, 73.4844 looks on a white background.

Color Contrast Check

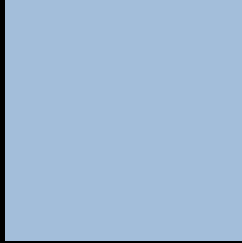
Large Text (above 18pt) WCAG AA × Fail

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 46.1726, 49.6754, 73.4844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

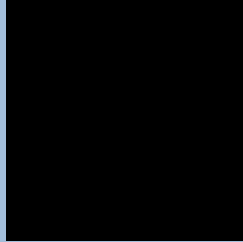
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

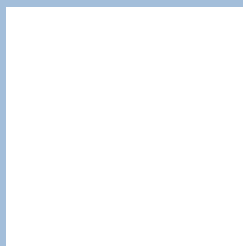
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1726, 49.6754, 73.4844

Background



This preview shows how black text looks on a background with the XYZ color 46.1726, 49.6754, 73.4844.



This preview shows how white text looks on a background with the XYZ color 46.1726, 49.6754,

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

46.1726, 49.6754, 73.4844

Protanopia

48.6708, 49.4280, 71.2653

Deuteranopia

50.6325, 49.4420, 74.5848



Tritanopia

44.8101, 49.7813, 66.2785

Trichromacy



Original Color

46.1726, 49.6754, 73.4844

Protanomaly

47.6206, 49.4972, 72.0098

Deuteranomaly

48.9575, 49.5157, 73.9950

Tritanomaly

45.2890, 49.6461, 68.8237

Monochromacy



Original Color

46.1726, 49.6754, 73.4844

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.9798, 48.9190, 59.8422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1726, 49.6754, 73.4844 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(163, 190, 218)` looks like.

```
.text, #text, p{  
    color:rgb(163, 190, 218)  
}
```

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(163, 190, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 190, 218) }
```

Border

The CSS property to change the border of an element to XYZ 46.1726, 49.6754, 73.4844 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(163, 190, 218) }
```


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

```
.border{ border-color:rgb(163, 190, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 190, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 190, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 190, 218);  
box-shadow:4px 4px 4px 4px rgb(163, 190,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1726, 49.6754, 73.4844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 190, 218) }
```

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

```
.background{ background-color: rgb(163,  
190, 218) }
```

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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