

Converting Colors

XYZ(45.2711, 46.7386, 71.6012)

Have a look what the booklet for
XYZ(45.2711, 46.7386, 71.6012)
contains.

XYZ(45.2711, 46.7386, 71.6012)	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(45.2711, 46.7386,
71.6012)**

Conversions

Conversions Part 1

Format	Color
Hex	A8B6D8
RGB	168, 182, 216
RGB Percent	66%, 71%, 85%
CMY	0.3412, 0.2863, 0.1529
CMYK	0.22, 0.16, 0.00, 0.15
HSL	222°, 38%, 75%
HSV	222°, 22%, 85%
XYZ	45.2711, 46.7386, 71.6012
YIQ	181.6900, -19.2580, 7.6060

Conversions

Conversions Part 2

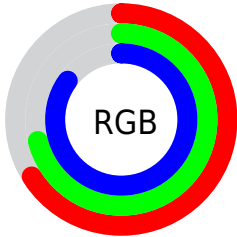
Format	Color
RYB	168, 179, 216
Decimal	11056856
CIELab	74.02, 2.45, -18.71
CIELCh	74, 18.869, 277.466
Yxy	46.7386, 0.2767, 0.2857
Android (android.graphics.Color)	4289246936 (0xFFA8B6D8)
YUV	181.6900, 16.9148, -12.0061
Hunter-Lab	68.3656, -1.4388, -14.2401

Details

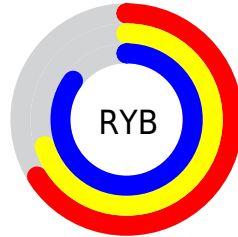
The XYZ color **45.2711, 46.7386, 71.6012** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **56.5079, 59.6674, 45.5857**, and the grayscale version is **44.2146, 46.5172, 50.6572**.

A 20% lighter version of the original color is **79.3650, 84.2164, 106.6801**, and **21.3535, 21.9186, 36.8235** is the 20% darker color. If you saturate the color by 10%, you get **38.0852, 38.6351, 70.4166**, and if you desaturate by 10%, it is **53.5661, 55.9243, 72.9378**.

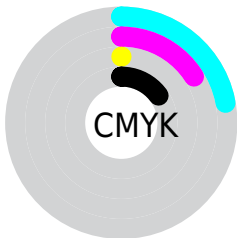
Distribution



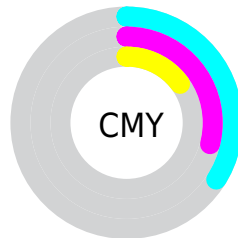
- Red (66%)
- Green (71%)
- Blue (85%)



- Red (66%)
- Yellow (70%)
- Blue (85%)



- Cyan (22%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (34%)
- Magenta (29%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2711, 46.7386, 71.6012 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 45.2711, 46.7386, 71.6012 by changing the saturation by 10% instead.

■ 45.2711, 46.7386,
71.6012

■ 45.2711, 46.7386,
71.6012

358.6357,
373.7702, 485.0925

■ 31.8732, 32.8291,
52.3481

■ 82.3616, 85.3233,
123.1918

■ 21.4197, 21.9955,
36.8985

■ 106.7850,
110.7673, 156.3664

■ 13.5454, 13.8536,
24.8337

135.6142,
140.8248, 195.0186

■ 7.8847, 8.0189,
15.7353

169.2146,
175.8803, 239.5670

■ 4.0725, 4.1071,
9.1847

207.9516,
216.3182, 290.4300

■ 1.7432, 1.7336,
4.7634

252.1906,

■ 0.4831, 0.4453,

262.5229, 348.0262

2.0528

302.2968,
314.8787, 412.7742

■ 0.0000, 0.0000,
0.5875

■ 0.0000, 0.0000,
0.0000

■ 45.2711, 46.7386,
71.6012

■ 45.2711, 46.7386,
71.6012

■ 38.0852, 38.6351,
70.4166

■ 53.5661, 55.9243,
72.9378

■ 31.9554, 31.5669,
69.3753

■ 63.0113, 66.2256,
74.4283

■ 26.8306, 25.4916,
68.4728

■ 73.6512, 77.6813,
76.0787

■ 22.6539, 20.3617,
67.7028

■ 85.5264, 90.3266,
77.8936

■ 19.3618, 16.1254,
67.0586

■ 89.3948, 97.7379,
79.1203

■ 16.8828, 12.7251,
66.5329

■ 15.1323, 10.0950,
66.1175

■ 14.1727, 8.5138,
65.8629

Harmonies

Analogous

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



41.9860, 46.7386, 70.0312



45.2711, 46.7386, 71.6012



48.4837, 46.7386, 67.0895

Triad

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



45.2711, 46.7386, 71.6012



49.7687, 46.7386, 40.4144



38.7024, 46.7386, 44.1037

Complementary

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



45.2711, 46.7386, 71.6012



56.5079, 59.6674, 45.5857

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.



40.5968, 46.7386, 37.5344



45.2711, 46.7386, 71.6012



46.9539, 46.7386, 35.5998

Square

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



45.2711, 46.7386, 71.6012



51.1644, 46.7386, 48.5165



43.5868, 46.7386, 34.6163



38.3026, 46.7386, 53.3405

Rectangle

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



45.2711, 46.7386, 71.6012



50.1145, 46.7386, 61.5391



43.5868, 46.7386, 34.6163



39.1807, 46.7386, 41.5469

Sweetspot

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



45.2726, 46.7405, 71.6023



84.8836, 88.9673, 107.3063



51.3187, 61.6829, 64.8313



17.9896, 18.8474, 22.9397



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.



45.2726, 46.7405, 71.6023



60.4637, 61.9330, 103.3752



44.6669, 42.3822, 70.7929



12.0348, 12.5931, 15.7339



8.4700, 5.2018, 39.0108



0.5819, 0.4559, 2.3766

Inverse Universe

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



50.7663, 45.9829, 50.4579



69.9995, 60.9086, 66.6085



57.1895, 65.1190, 46.6021



12.5708, 12.4798, 13.6799



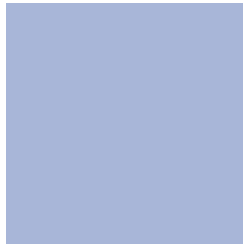
17.3341, 8.8700, 3.7977



1.0814, 0.5493, 0.4179

Previews

White Background



This preview shows how the XYZ color 45.2711, 46.7386, 71.6012 looks on a white background.

Color Contrast Check

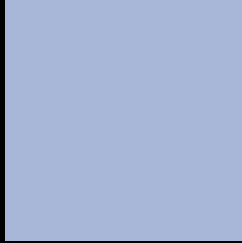
Large Text (above 18pt) WCAG AA × Fail

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 45.2711, 46.7386, 71.6012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

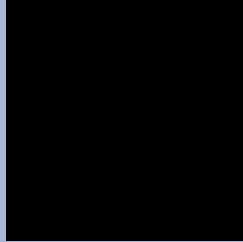
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2711, 46.7386, 71.6012

Background



This preview shows how black text looks on a background with the XYZ color 45.2711, 46.7386, 71.6012.



This preview shows how white text looks on a background with the XYZ color 45.2711, 46.7386,

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

45.2711, 46.7386, 71.6012

Protanopia

46.2662, 46.6628, 70.8583

Deuteranopia

47.7362, 46.7956, 72.1621



Tritanopia

43.2913, 46.8674, 61.4082

Trichromacy



Original Color

45.2711, 46.7386, 71.6012

Protanomaly

45.8029, 46.7247, 70.8947

Deuteranomaly

46.7759, 46.5971, 72.1744

Tritanomaly

44.0070, 46.8442, 65.1149

Monochromacy



Original Color

45.2711, 46.7386, 71.6012

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.5970, 46.6981, 57.7020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2711, 46.7386, 71.6012 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(168, 182, 216)` looks like.

```
.text, #text, p{  
    color:rgb(168, 182, 216)  
}
```

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(168, 182, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 182, 216) }
```

Border

The CSS property to change the border of an element to XYZ 45.2711, 46.7386, 71.6012 is called "border". The border property can be set on classes, ids or directly on the HTML element.

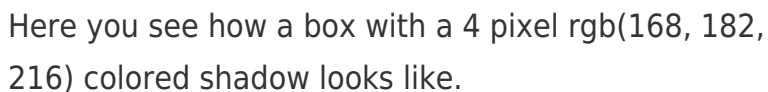
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 182, 216) }
```


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

```
.border{ border-color:rgb(168, 182, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 182, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 182, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 182, 216); box-shadow:4px 4px 4px 4px rgb(168, 182, 216) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2711, 46.7386, 71.6012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 182, 216) }
```

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

```
.background{ background-color: rgb(168,  
182, 216) }
```

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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