

Converting Colors

XYZ(46.2112, 43.6753, 86.1153)

Have a look what the booklet for
XYZ(46.2112, 43.6753, 86.1153)
contains.

XYZ(46.2112, 43.6753, 86.1153)	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(46.2112, 43.6753,
86.1153)**

Conversions

Conversions Part 1

Format	Color
Hex	A9ABED
RGB	169, 171, 237
RGB Percent	66%, 67%, 93%
CMY	0.3372, 0.3294, 0.0706
CMYK	0.29, 0.28, 0.00, 0.07
HSL	238°, 65%, 80%
HSV	238°, 29%, 93%
XYZ	46.2112, 43.6753, 86.1153
YIQ	177.9260, -22.3780, 20.1020

Conversions

Conversions Part 2

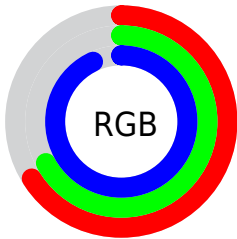
Format	Color
RYB	169, 171, 237
Decimal	11119597
CIELab	72.01, 13.81, -33.21
CIElCh	72, 35.969, 292.571
Yxy	43.6753, 0.2626, 0.2482
Android (android.graphics.Color)	4289309677 (0xFFA9ABED)
YUV	177.9260, 29.1235, -7.8281
Hunter-Lab	66.0873, 9.1625, -30.9970

Details

The XYZ color **46.2112, 43.6753, 86.1153** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **71.7956, 80.2865, 49.2506**, and the grayscale version is **42.1385, 44.3329, 48.2786**.

A 20% lighter version of the original color is **76.2977, 77.6203, 105.5686**, and **22.0075, 20.1747, 46.4502** is the 20% darker color. If you saturate the color by 10%, you get **37.6068, 33.3418, 84.5750**, and if you desaturate by 10%, it is **56.4962, 55.9994, 87.9528**.

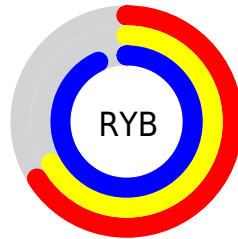
Distribution



Red (66%)

Green (67%)

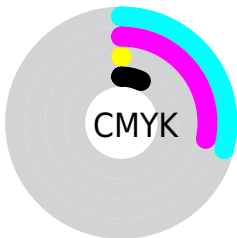
Blue (93%)



Red (66%)

Yellow (67%)

Blue (93%)

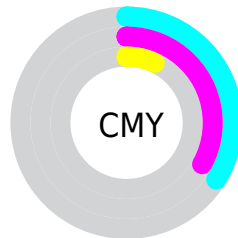


Cyan (29%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (34%)

Magenta (33%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2112, 43.6753, 86.1153 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 46.2112, 43.6753, 86.1153 by changing the saturation by 10% instead.

■ 46.2112, 43.6753,
86.1153

■ 46.2112, 43.6753,
86.1153

362.3588,
361.3816, 535.5519

■ 32.6178, 30.4153,
64.2079

■ 83.7609, 80.7289,
143.8183

■ 21.9917, 20.1540,
46.3718

108.4480,
105.2914, 180.4510

■ 13.9674, 12.5071,
32.1885

137.5637,
134.3901, 222.8293

■ 8.1795, 7.0900,
21.2395

171.4733,
168.4095, 271.3715

■ 4.2628, 3.5185,
13.1063

210.5423,
207.7339, 326.4964

■ 1.8519, 1.4080,
7.3702

255.1360,

■ 0.5486, 0.2226,

252.7478, 388.6223

3.6127

305.6197,
303.8356, 458.1680

■ 0.0000, 0.0000,
1.4154

■ 0.0000, 0.0000,
0.1537

■ 46.2112, 43.6753,
86.1153

■ 46.2112, 43.6753,
86.1153

■ 37.6068, 33.3418,
84.5750

■ 56.4962, 55.9994,
87.9528

■ 30.5895, 24.8898,
83.3134

■ 68.5397, 70.4055,
90.0987

■ 25.0636, 18.2075,
82.3149

■ 82.4203, 86.9853,
92.5673

■ 20.9213, 13.1692,
81.5607

■ 92.2862, 98.8945,
94.3460

■ 18.0402, 9.6327,
81.0300

■ 16.2765, 7.4317,
80.6981

■ 15.4334, 6.3512,
80.5340

■ 15.3619, 6.2658,
80.5212

Harmonies

Analogous

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



40.0040, 43.6753, 89.5874



46.2112, 43.6753, 86.1153



51.6125, 43.6753, 71.2114

Triad

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



46.2112, 43.6753, 86.1153



49.1101, 43.6753, 25.4384



30.8696, 43.6753, 43.3152

Complementary

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



46.2112, 43.6753, 86.1153



71.7956, 80.2865, 49.2506

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.



32.8236, 43.6753, 29.8206



46.2112, 43.6753, 86.1153



43.0576, 43.6753, 21.2863

Square

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



46.2112, 43.6753, 86.1153



53.3980, 43.6753, 35.7202



37.1428, 43.6753, 22.6645



31.5354, 43.6753, 61.7516

Rectangle

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



46.2112, 43.6753, 86.1153



53.8277, 43.6753, 58.4201



37.1428, 43.6753, 22.6645



31.2347, 43.6753, 38.1281

Sweetspot

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



46.2127, 43.6770, 86.1163



80.4061, 82.5065, 106.2952



61.6044, 74.9871, 89.6232



16.7394, 17.0970, 22.6677



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.



46.2127, 43.6770, 86.1163



48.7971, 44.6471, 100.6536



53.4911, 46.8725, 86.3495



14.2667, 14.6199, 18.9922



8.4034, 3.4539, 43.9667



0.6724, 0.2963, 3.4566

Inverse Universe

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



56.4650, 49.3223, 45.0740



62.6345, 52.3107, 45.2491



62.6972, 76.4510, 48.9898



15.0834, 15.0612, 15.7246



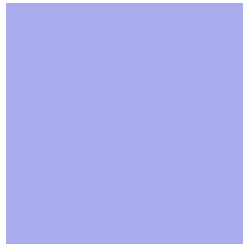
19.0970, 9.8415, 1.0460



1.5059, 0.7753, 0.1155

Previews

White Background



This preview shows how the XYZ color 46.2112, 43.6753, 86.1153 looks on a white background.

Color Contrast Check

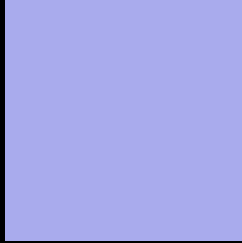
Large Text (above 18pt) WCAG AA × Fail

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 46.2112, 43.6753, 86.1153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

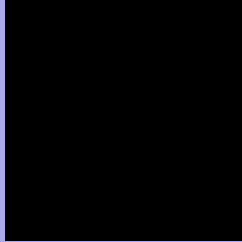
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2112, 43.6753, 86.1153

Background



This preview shows how black text looks on a background with the XYZ color 46.2112, 43.6753, 86.1153.



This preview shows how white text looks on a background with the XYZ color 46.2112, 43.6753,

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

46.2112, 43.6753, 86.1153

Protanopia

44.6207, 43.6722, 87.7392

Deuteranopia

44.7736, 43.8018, 85.4517



Tritanopia

40.2429, 43.5640, 56.7397

Trichromacy



Original Color

46.2112, 43.6753, 86.1153

Protanomaly

45.0741, 43.6373, 86.9361

Deuteranomaly

45.1881, 43.7298, 85.4159

Tritanomaly

42.1382, 43.4406, 66.4856

Monochromacy



Original Color

46.2112, 43.6753, 86.1153

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.3180, 43.8974, 60.2228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2112, 43.6753, 86.1153 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(169, 171, 237)` looks like.

```
.text, #text, p{  
    color:rgb(169, 171, 237)  
}
```

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(169, 171, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 171, 237) }
```

Border

The CSS property to change the border of an element to XYZ 46.2112, 43.6753, 86.1153 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(169, 171, 237) }
```


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

```
.border{ border-color:rgb(169, 171, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 171, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 171, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 171, 237); box-shadow:4px 4px 4px 4px rgb(169, 171, 237) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2112, 43.6753, 86.1153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 171, 237) }
```

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

```
.background{ background-color: rgb(169,  
171, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor