

Converting Colors

XYZ(47.0903, 44.8051, 86.4020)

Have a look what the booklet for
XYZ(47.0903, 44.8051, 86.4020)
contains.

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Color

**XYZ(47.0242, 44.6595,
86.2625)**

Conversions

Conversions Part 1

Format	Color
Hex	ABADED
RGB	171, 173, 237
RGB Percent	67%, 68%, 93%
CMY	0.3294, 0.3216, 0.0706
CMYK	0.28, 0.27, 0.00, 0.07
HSL	238°, 65%, 80%
HSV	238°, 28%, 93%
XYZ	47.0242, 44.6595, 86.2625
YIQ	179.6980, -21.7360, 19.4800

Conversions

Conversions Part 2

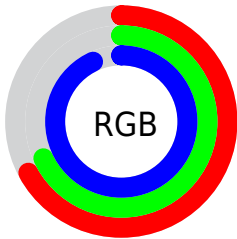
Format	Color
RYB	171, 173, 237
Decimal	11251181
CIELab	72.67, 13.27, -32.19
CIELCh	73, 34.816, 292.404
Yxy	44.6595, 0.2643, 0.2510
Android (android.graphics.Color)	4289441261 (0xFFABADED)
YUV	179.6980, 28.2499, -7.6281
Hunter-Lab	66.8278, 8.6552, -29.7532

Details

The XYZ color **47.0242, 44.6595, 86.2625** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **71.9848, 80.3620, 50.2469**, and the grayscale version is **43.0836, 45.3273, 49.3615**.

A 20% lighter version of the original color is **77.4720, 79.0377, 105.7803**, and **22.5140, 20.7928, 46.5429** is the 20% darker color. If you saturate the color by 10%, you get **38.2831, 34.1653, 84.6984**, and if you desaturate by 10%, it is **57.4518, 57.1503, 88.1246**.

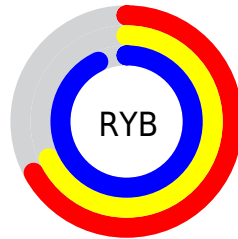
Distribution



Red (67%)

Green (68%)

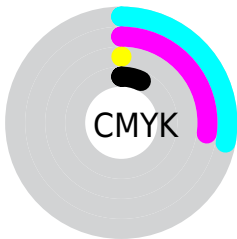
Blue (93%)



Red (67%)

Yellow (68%)

Blue (93%)

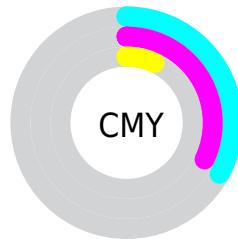


Cyan (28%)

Magenta (27%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (32%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0242, 44.6595, 86.2625 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 47.0242, 44.6595, 86.2625 by changing the saturation by 10% instead.

■ 47.0242, 44.6595,
86.2625

■ 47.0242, 44.6595,
86.2625

365.5584,
365.3928, 536.0495

■ 33.2628, 31.1893,
64.3289

■ 84.9683, 82.2092,
144.0255

■ 22.4881, 20.7430,
46.4692

109.8817,
107.0575, 180.6921

■ 14.3346, 12.9363,
32.2649

139.2431,
136.4674, 223.1067

■ 8.4370, 7.3847,
21.2974

173.4179,
170.8231, 271.6879

■ 4.4300, 3.7038,
13.1482

212.7715,
210.5091, 326.8542

■ 1.9481, 1.5093,
7.3988

257.6692,

■ 0.6046, 0.2953,

255.9098, 389.0242

3.6305

308.4764,
307.4095, 458.6165

■ 0.0000, 0.0000,
1.4249

■ 0.0000, 0.0000,
0.1610

■ 47.0242, 44.6595,
86.2625

■ 47.0242, 44.6595,
86.2625

■ 38.2831, 34.1653,
84.6984

■ 57.4518, 57.1503,
88.1246

■ 31.1357, 25.5592,
83.4140

■ 69.6432, 71.7279,
90.2958

■ 25.4872, 18.7307,
82.3936

■ 83.6764, 88.4836,
92.7904

■ 21.2310, 13.5556,
81.6191

■ 92.2862, 98.8945,
94.3461

■ 18.2463, 9.8937,
81.0696

■ 16.3917, 7.5816,
80.7210

■ 15.4832, 6.4136,
80.5435

■ 15.3642, 6.2704,
80.5221

Harmonies

Analogous

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



40.9326, 44.6595, 89.5512



47.0242, 44.6595, 86.2625



52.3183, 44.6595, 71.8419

Triad

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



47.0242, 44.6595, 86.2625



49.9254, 44.6595, 26.7673



31.9559, 44.6595, 44.3661

Complementary

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



47.0242, 44.6595, 86.2625



71.9848, 80.3620, 50.2469

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.



33.9035, 44.6595, 31.0436



47.0242, 44.6595, 86.2625



43.9994, 44.6595, 22.5700

Square

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



47.0242, 44.6595, 86.2625



54.1009, 44.6595, 37.0314



38.1779, 44.6595, 23.9248



32.6006, 44.6595, 62.4201

Rectangle

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



47.0242, 44.6595, 86.2625



54.4932, 44.6595, 59.3770



38.1779, 44.6595, 23.9248



32.3222, 44.6595, 39.2590

Sweetspot

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



47.0257, 44.6613, 86.2635



81.9499, 84.3560, 106.5708



62.0464, 75.2139, 89.6942



17.0472, 17.4659, 22.7227



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.



47.0257, 44.6613, 86.2635



49.8325, 45.9022, 100.8413



54.1533, 47.7704, 86.4880



14.2678, 14.6221, 18.9926



8.4052, 3.4574, 43.9673



0.6730, 0.2974, 3.4568

Inverse Universe

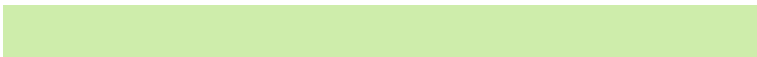
The Inverse Universe completely reimagines the original color for something new.



57.0320, 50.1489, 46.2108



63.3563, 53.3619, 46.6995



63.1451, 76.6601, 49.9983



15.0840, 15.0614, 15.7275



19.0979, 9.8418, 1.0507



1.5062, 0.7754, 0.1169

Previews

White Background



This preview shows how the XYZ color 47.0242, 44.6595, 86.2625 looks on a white background.

Color Contrast Check

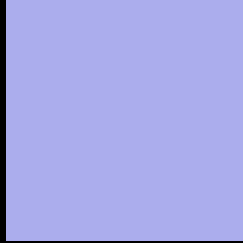
Large Text (above 18pt) WCAG AA × Fail

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 47.0242, 44.6595, 86.2625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

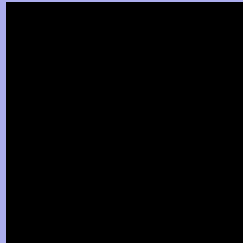
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0242, 44.6595, 86.2625

Background



This preview shows how black text looks on a background with the XYZ color 47.0242, 44.6595, 86.2625.



This preview shows how white text looks on a background with the XYZ color 47.0242, 44.6595,

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

47.0242, 44.6595, 86.2625

Protanopia

45.6025, 44.7562, 87.8967

Deuteranopia

45.7203, 44.5609, 86.3122



Tritanopia

41.4785, 44.7744, 58.0859

Trichromacy



Original Color

47.0242, 44.6595, 86.2625

Protanomaly

46.0724, 44.7255, 87.0935

Deuteranomaly

46.1480, 44.4935, 86.2766

Tritanomaly

43.2791, 44.6009, 67.3006

Monochromacy



Original Color

47.0242, 44.6595, 86.2625

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.3962, 45.0084, 61.6059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0242, 44.6595, 86.2625 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, 173, 237)` looks like.

```
.text, #text, p{  
    color:rgb(171, 173, 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(171, 173, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 173, 237) }
```

Border

The CSS property to change the border of an element to XYZ 47.0242, 44.6595, 86.2625 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, 173, 237) }
```


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

```
.border{ border-color:rgb(171, 173, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 173, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 173, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 173, 237);  
box-shadow:4px 4px 4px 4px rgb(171, 173,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0242, 44.6595, 86.2625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 173, 237) }
```

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

```
.background{ background-color: rgb(171,  
173, 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](#).

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