

Converting Colors

XYZ(54.0664, 47.7230,
117.9414)

Have a look what the booklet for
XYZ(54.0664, 47.7230, 117.9414)
contains.

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Color

**XYZ(50.6728, 46.2211,
100.8586)**

Conversions

Conversions Part 1

Format	Color
Hex	AFADFF
RGB	175, 173, 255
RGB Percent	69%, 68%, 100%
CMY	0.3137, 0.3216, 0.0000
CMYK	0.31, 0.32, 0.00, 0.00
HSL	241°, 100%, 84%
HSV	241°, 32%, 100%
XYZ	50.6728, 46.2211, 100.8586
YIQ	182.9460, -25.1300, 25.9260

Conversions

Conversions Part 2

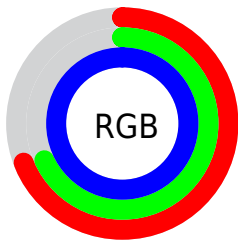
Format	Color
RYB	175, 173, 255
Decimal	11513343
CIELab	73.69, 18.84, -40.33
CIELCh	74, 44.509, 295.042
Yxy	46.2211, 0.2562, 0.2337
Android (android.graphics.Color)	4289703423 (0xFFAFADFF)
YUV	182.9460, 35.5226, -6.9686
Hunter-Lab	67.9861, 14.0676, -40.3675

Details

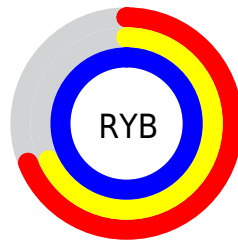
The XYZ color **50.6728, 46.2211, 100.8586** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.8110, 95.4198, 53.5374**, and the grayscale version is **44.8028, 47.1360, 51.3311**.

A 20% lighter version of the original color is **79.0721, 79.8626, 105.8552**, and **24.7761, 21.7450, 56.3174** is the 20% darker color. If you saturate the color by 10%, you get **41.1630, 34.7403, 99.1438**, and if you desaturate by 10%, it is **62.1472, 60.1017, 102.9330**.

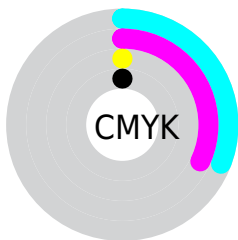
Distribution



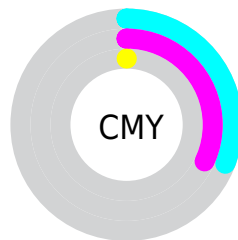
- Red (69%)
- Green (68%)
- Blue (100%)



- Red (69%)
- Yellow (68%)
- Blue (100%)



- Cyan (31%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.6728, 46.2211, 100.8586 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 50.6728, 46.2211, 100.8586 by changing the saturation by 10% instead.

■ 50.6728, 46.2211,
100.8586

■ 50.6728, 46.2211,
100.8586

379.6998,
371.6968, 584.2121

■ 36.1683, 32.4203,
76.3969

■ 90.3568, 84.5498,
164.3987

■ 24.7349, 21.6828,
56.2494

116.2670,
109.8465, 204.3143

■ 16.0073, 13.6240,
39.9976

146.7097,
139.7440, 250.2182

■ 9.6202, 7.8596,
27.2229

182.0505,
174.6267, 302.5290

■ 5.2082, 4.0052,
17.5068

222.6545,
214.8789, 361.6653

■ 2.4059, 1.6765,
10.4307

268.8871,

■ 0.8481, 0.4084,

260.8850, 428.0455

5.5761

321.1138,
313.0296, 502.0883

■ 0.0000, 0.0000,
2.5245

■ 0.0000, 0.0000,
0.8531

■ 50.6728, 46.2211,
100.8586

■ 50.6728, 46.2211,
100.8586

■ 41.1630, 34.7403,
99.1438

■ 62.1472, 60.1017,
102.9330

■ 33.5036, 25.5185,
97.7675

■ 75.6830, 76.5020,
105.3852

■ 27.5755, 18.4084,
96.7075

■ 91.3760, 95.5400,
108.2328

■ 23.2438, 13.2427,
95.9388

95.0500, 100.0000,
108.9000

■ 20.3536, 9.8292,
95.4322

■ 18.7195, 7.9366,
95.1530

■ 18.1279, 7.2601,
95.0536

Harmonies

Analogous

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



42.6334, 46.2211, 107.2231



50.6728, 46.2211, 100.8586



57.5784, 46.2211, 79.5589

Triad

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



50.6728, 46.2211, 100.8586



53.2122, 46.2211, 22.4518



30.4822, 46.2211, 46.6639

Complementary

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



50.6728, 46.2211, 100.8586



83.8110, 95.4198, 53.5374

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.



32.6321, 46.2211, 29.3079



50.6728, 46.2211, 100.8586



45.2562, 46.2211, 18.2606

Square

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



50.6728, 46.2211, 100.8586



59.1632, 46.2211, 34.0822



37.8168, 46.2211, 20.3297



31.5684, 46.2211, 71.0539

Rectangle

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



50.6728, 46.2211, 100.8586



60.2827, 46.2211, 62.3974



37.8168, 46.2211, 20.3297



30.8421, 46.2211, 39.9230

Sweetspot

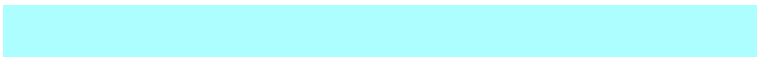
The Sweet Spot groups the original color and five complimentary colors.



50.6743, 46.2228, 100.8588



78.8802, 80.3789, 105.9650



70.6099, 86.7558, 107.6317



16.4350, 16.6604, 22.5995



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.



50.6743, 46.2228, 100.8588



43.9590, 38.1129, 99.6474



61.1268, 51.6113, 101.3480



17.0440, 17.3989, 22.7100



9.4899, 3.8027, 49.6684



0.9378, 0.3774, 4.8367

Inverse Universe

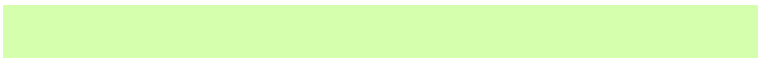
The Inverse Universe completely reimagines the original color for something new.



73.9138, 58.2402, 100.2740



70.7149, 51.9509, 98.8733



70.6380, 88.6289, 52.9209



18.7724, 18.2923, 22.6846



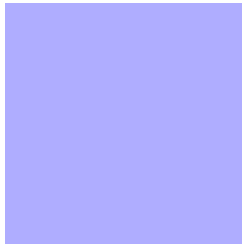
30.4740, 14.6789, 48.0078



2.9730, 1.4316, 4.7051

Previews

White Background



This preview shows how the XYZ color 50.6728, 46.2211, 100.8586 looks on a white background.

Color Contrast Check

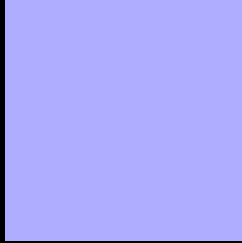
Large Text (above 18pt) WCAG AA × Fail

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 50.6728, 46.2211, 100.8586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

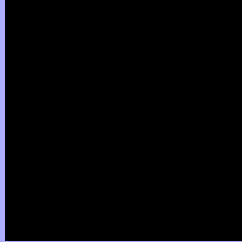
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6728, 46.2211, 100.8586

Background



This preview shows how black text looks on a background with the XYZ color 50.6728, 46.2211, 100.8586.



This preview shows how white text looks on a background with the XYZ color 50.6728, 46.2211,

100.8586.

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

50.6728, 46.2211, 100.8586

Protanopia

47.8750, 46.2289, 101.0075

Deuteranopia

47.5271, 46.3645, 100.2102



Tritanopia

42.5535, 46.1910, 60.7058

Trichromacy



Original Color

50.6728, 46.2211, 100.8586

Protanomaly

48.8852, 46.1632, 100.9416

Deuteranomaly

48.5118, 46.2814, 100.1423

Tritanomaly

45.0438, 45.9725, 73.5173

Monochromacy



Original Color

50.6728, 46.2211, 100.8586

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.4511, 46.5469, 66.8578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6728, 46.2211, 100.8586 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(175, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(175, 173, 255)  
}
```

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(175, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.6728, 46.2211, 100.8586 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(175, 173, 255) }
```


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

```
.border{ border-color:rgb(175, 173, 255) }
```

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

Here you see how a box with a 4 pixel rgb(175, 173, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6728, 46.2211, 100.8586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 173, 255) }
```

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

```
.background{ background-color: rgb(175,  
173, 255) }
```

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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