

Converting Colors

XYZ(52.9028, 46.9866,
100.8888)

Have a look what the booklet for
XYZ(52.9028, 46.9866, 100.8888)
contains.

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Color

**XYZ(53.0522, 47.1642,
100.9152)**

Conversions

Conversions Part 1

Format	Color
Hex	BAACFF
RGB	186, 172, 255
RGB Percent	73%, 67%, 100%
CMY	0.2706, 0.3255, 0.0000
CMYK	0.27, 0.33, 0.00, 0.00
HSL	250°, 100%, 84%
HSV	250°, 33%, 100%
XYZ	53.0522, 47.1642, 100.9152
YIQ	185.6480, -18.2990, 28.7810

Conversions

Conversions Part 2

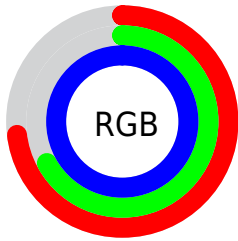
Format	Color
RYB	186, 172, 255
Decimal	12233983
CIELab	74.29, 22.48, -39.32
CIELCh	74, 45.289, 299.757
Yxy	47.1642, 0.2638, 0.2345
Android (android.graphics.Color)	4290424063 (0xFFBAACFF)
YUV	185.6480, 34.1905, 0.3087
Hunter-Lab	68.6762, 17.7075, -39.0495

Details

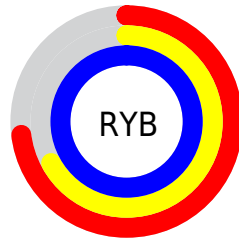
The XYZ color **53.0522, 47.1642, 100.9152** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.4827, 93.1996, 52.8318**, and the grayscale version is **46.2990, 48.7101, 53.0453**.

A 20% lighter version of the original color is **82.4812, 81.2129, 105.9362**, and **26.2696, 22.3355, 56.3527** is the 20% darker color. If you saturate the color by 10%, you get **43.8831, 35.9118, 99.2265**, and if you desaturate by 10%, it is **63.9194, 60.6762, 102.9505**.

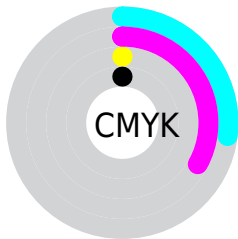
Distribution



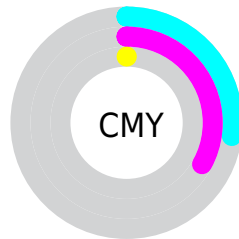
- Red (73%)
- Green (67%)
- Blue (100%)



- Red (73%)
- Yellow (67%)
- Blue (100%)



- Cyan (27%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (27%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0522, 47.1642, 100.9152 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 53.0522, 47.1642, 100.9152 by changing the saturation by 10% instead.

■ 53.0522, 47.1642,
100.9152

■ 53.0522, 47.1642,
100.9152

388.7429,
375.4696, 584.3946

■ 38.0721, 33.1655,
76.4439

■ 93.8463, 85.9587,
164.4771

■ 26.2161, 22.2532,
56.2878

120.3909,
111.5232, 204.4049

■ 17.1189, 14.0431,
40.0282

151.5211,
141.7118, 250.3219

■ 10.4151, 8.1506,
27.2465

187.6022,
176.9089, 302.6467

■ 5.7394, 4.1915,
17.5244

228.9996,
217.4988, 361.7979

■ 2.7264, 1.7813,
10.4432

276.0786,

■ 1.0108, 0.4754,

263.8659, 428.1939

5.5843

329.2046,
316.3947, 502.2533

■ 0.0000, 0.0000,
2.5294

■ 0.0000, 0.0000,
0.8557

■ 53.0522, 47.1642,
100.9152

■ 53.0522, 47.1642,
100.9152

■ 43.8831, 35.9118,
99.2265

■ 63.9194, 60.6762,
102.9505

■ 36.3206, 26.7895,
97.8643

■ 76.5609, 76.5570,
105.3495

■ 30.2714, 19.6628,
96.8076

■ 91.0535, 94.9151,
108.1292

■ 25.6305, 14.3795,
96.0324

■ 95.0500, 100.0000,
108.9000

■ 22.2786, 10.7650,
95.5114

■ 20.0753, 8.6099,
95.2115

■ 19.0467, 7.7338,
95.0966

Harmonies

Analogous

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



44.7617, 47.1642, 110.4727



53.0522, 47.1642, 100.9152



59.7518, 47.1642, 77.3964

Triad

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



53.0522, 47.1642, 100.9152



53.1812, 47.1642, 21.5513



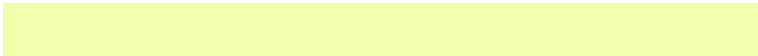
30.9296, 47.1642, 51.1636

Complementary

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



53.0522, 47.1642, 100.9152



79.4827, 93.1996, 52.8318

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.



32.6226, 47.1642, 31.9263



53.0522, 47.1642, 100.9152



44.8947, 47.1642, 18.3099

Square

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



53.0522, 47.1642, 100.9152



59.8323, 47.1642, 32.1671



37.5012, 47.1642, 21.4447



32.5688, 47.1642, 76.9636

Rectangle

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



53.0522, 47.1642, 100.9152



62.0584, 47.1642, 59.7432



37.5012, 47.1642, 21.4447



31.1247, 47.1642, 43.7890

Sweetspot

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



53.0537, 47.1660, 100.9155



80.0743, 80.9945, 106.0209



66.5689, 79.0008, 106.3479



16.7211, 16.8079, 22.6129



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.



53.0537, 47.1660, 100.9155



46.9476, 39.6536, 99.7872



64.5875, 53.1119, 101.4552



17.2885, 17.5249, 22.7214



10.0352, 4.0838, 49.6939



1.0531, 0.4368, 4.8421

Inverse Universe

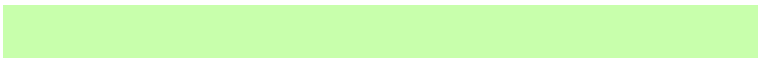
The Inverse Universe completely reimagines the original color for something new.



71.8706, 57.1174, 90.4566



68.5189, 51.0725, 87.3094



66.9379, 86.7326, 52.2447



18.6534, 18.2447, 22.0577



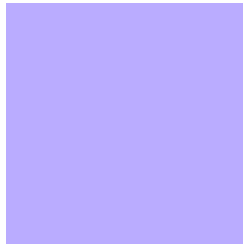
27.8061, 13.6117, 33.9588



2.7407, 1.3386, 3.4818

Previews

White Background



This preview shows how the XYZ color 53.0522, 47.1642, 100.9152 looks on a white background.

Color Contrast Check

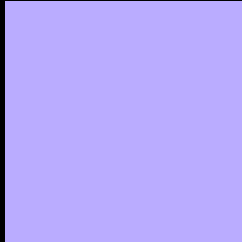
Large Text (above 18pt) WCAG AA × Fail

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 53.0522, 47.1642, 100.9152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

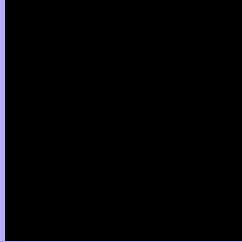
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 53.0522, 47.1642, 100.9152

Background



This preview shows how black text looks on a background with the XYZ color 53.0522, 47.1642, 100.9152.

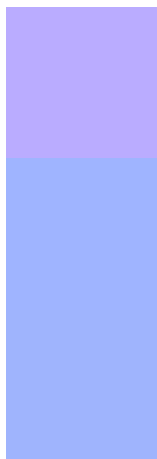


This preview shows how white text looks on a background with the XYZ color 53.0522, 47.1642,

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

53.0522, 47.1642, 100.9152

Protanopia

48.6693, 47.2334, 101.1596

Deuteranopia

48.3490, 47.1053, 99.4725



Tritanopia

44.8057, 47.0581, 60.1477

Trichromacy



Original Color

53.0522, 47.1642, 100.9152

Protanomaly

50.1343, 47.0993, 101.0565

Deuteranomaly

49.9737, 47.0351, 100.2107

Tritanomaly

47.4967, 46.9384, 73.5745

Monochromacy



Original Color

53.0522, 47.1642, 100.9152

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

48.5314, 48.1900, 68.3717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.0522, 47.1642, 100.9152 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(186, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 172, 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(186, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 172, 255) }
```

Border

The CSS property to change the border of an element to XYZ 53.0522, 47.1642, 100.9152 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(186, 172, 255) }
```


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

```
.border{ border-color:rgb(186, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 172,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 53.0522, 47.1642, 100.9152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 172, 255) }
```

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

```
.background{ background-color: rgb(186,  
172, 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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