

Converting Colors

XYZ(51.6808, 46.0076, 90.3579)

Have a look what the booklet for
XYZ(51.6808, 46.0076, 90.3579)
contains.

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Color

**XYZ(51.6369, 46.1074,
90.1825)**

Conversions

Conversions Part 1

Format	Color
Hex	BEAAF2
RGB	190, 170, 242
RGB Percent	75%, 67%, 95%
CMY	0.2549, 0.3333, 0.0510
CMYK	0.21, 0.30, 0.00, 0.05
HSL	257°, 73%, 81%
HSV	257°, 30%, 95%
XYZ	51.6369, 46.1074, 90.1825
YIQ	184.1880, -11.1920, 26.6320

Conversions

Conversions Part 2

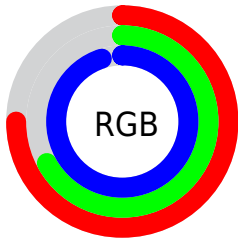
Format	Color
RYB	190, 170, 242
Decimal	12495602
CIELab	73.62, 21.71, -33.31
CIELCh	74, 39.766, 303.094
Yxy	46.1074, 0.2748, 0.2453
Android (android.graphics.Color)	4290685682 (0xFFBEAAF2)
YUV	184.1880, 28.5013, 5.0971
Hunter-Lab	67.9024, 16.9124, -31.2125

Details

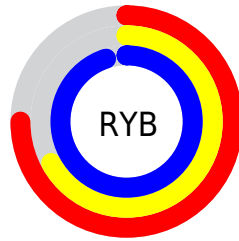
The XYZ color **51.6369, 46.1074, 90.1825** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.1335, 81.9373, 50.2039**, and the grayscale version is **45.5170, 47.8874, 52.1494**.

A 20% lighter version of the original color is **83.3330, 80.8446, 105.8202**, and **25.3330, 21.6529, 49.2986** is the 20% darker color. If you saturate the color by 10%, you get **43.4044, 35.7383, 88.6157**, and if you desaturate by 10%, it is **61.2310, 58.4200, 92.0542**.

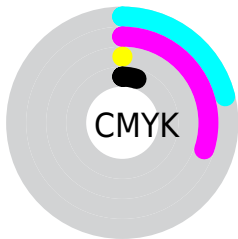
Distribution



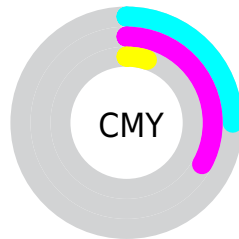
- Red (75%)
- Green (67%)
- Blue (95%)



- Red (75%)
- Yellow (67%)
- Blue (95%)



- Cyan (21%)
- Magenta (30%)
- Yellow (0%)
- Black (5%)



- Cyan (25%)
- Magenta (33%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6369, 46.1074, 90.1825 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 51.6369, 46.1074, 90.1825 by changing the saturation by 10% instead.

■ 51.6369, 46.1074,
90.1825

■ 51.6369, 46.1074,
90.1825

383.3803,
371.2403, 549.2098

■ 36.9388, 32.3306,
67.5575

■ 91.7729, 84.3797,
149.5296

■ 25.3336, 21.6141,
49.0733

117.9416,
109.6440, 187.0887

■ 16.4558, 13.5736,
34.3117

148.6645,
139.5062, 230.4630

■ 9.9402, 7.8247,
22.8538

184.3070,
174.3508, 280.0709

■ 5.4213, 3.9830,
14.2813

225.2345,
214.5621, 336.3310

■ 2.5338, 1.6641,
8.1756

271.8123,

■ 0.9123, 0.4002,

260.5245, 399.6618

4.1181

324.4058,
312.6224, 470.4819

■ 0.0000, 0.0000,
1.6904

■ 0.0000, 0.0000,
0.3541

■ 51.6369, 46.1074,
90.1825

■ 51.6369, 46.1074,
90.1825

■ 43.4044, 35.7383,
88.6157

■ 61.2310, 58.4200,
92.0542

■ 36.4646, 27.2060,
87.3346

■ 72.2419, 72.7644,
94.2426

■ 30.7492, 20.4016,
86.3224

■ 84.7275, 89.2300,
96.7627

■ 26.1813, 15.2023,
85.5596

■ 93.0272, 99.1909,
98.2479

■ 22.6747, 11.4685,
85.0238

■ 20.1291, 9.0353,
84.6883

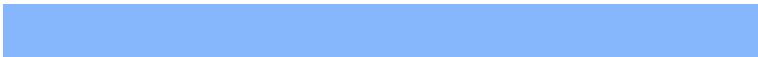
■ 18.3937, 7.6406,
84.5105

■ 18.3570, 7.6120,
84.5069

Harmonies

Analogous

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



44.5582, 46.1074, 99.7080



51.6369, 46.1074, 90.1825



57.0351, 46.1074, 69.8666

Triad

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



51.6369, 46.1074, 90.1825



50.2383, 46.1074, 22.9634



31.6505, 46.1074, 52.3242

Complementary

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



51.6369, 46.1074, 90.1825



69.1335, 81.9373, 50.2039

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.



32.8283, 46.1074, 34.6256



51.6369, 46.1074, 90.1825



43.0973, 46.1074, 20.5925

Square

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



51.6369, 46.1074, 90.1825



56.1688, 46.1074, 31.8735



36.8413, 46.1074, 24.2278



33.4345, 46.1074, 74.4811

Rectangle

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



51.6369, 46.1074, 90.1825



58.6801, 46.1074, 55.0099



36.8413, 46.1074, 24.2278



31.7137, 46.1074, 45.6848

Sweetspot

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



51.6384, 46.1093, 90.1835



82.3234, 83.2121, 106.3304



58.9403, 67.6269, 93.9520



17.2077, 17.2695, 22.6764



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.



51.6384, 46.1093, 90.1835



52.0944, 44.2658, 100.4062



61.5169, 51.2018, 90.6459



15.3094, 15.4412, 19.8952



9.9750, 4.1477, 45.4027



0.9229, 0.3930, 3.7814

Inverse Universe

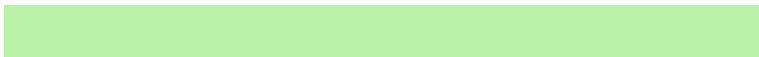
The Inverse Universe completely reimagines the original color for something new.



64.1789, 52.9024, 75.9376



68.5856, 53.2106, 81.1518



59.4539, 76.9473, 49.7509



16.2561, 15.9521, 18.9046



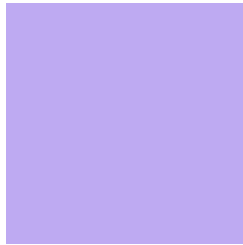
23.8776, 11.8235, 23.0700



2.0283, 1.0004, 2.1401

Previews

White Background



This preview shows how the XYZ color 51.6369, 46.1074, 90.1825 looks on a white background.

Color Contrast Check

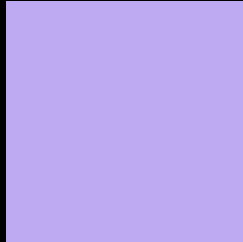
Large Text (above 18pt) WCAG AA × Fail

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 51.6369, 46.1074, 90.1825 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 51.6369, 46.1074, 90.1825

Background



This preview shows how black text looks on a background with the XYZ color 51.6369, 46.1074, 90.1825.



This preview shows how white text looks on a background with the XYZ color 51.6369, 46.1074,

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

51.6369, 46.1074, 90.1825

Protanopia

47.3609, 46.0917, 95.2073

Deuteranopia

47.3745, 46.2391, 88.8662



Tritanopia

44.9138, 45.9590, 57.5427

Trichromacy



Original Color

51.6369, 46.1074, 90.1825

Protanomaly

48.7591, 45.9717, 93.4923

Deuteranomaly

48.8864, 46.1248, 89.5455

Tritanomaly

47.0504, 45.9442, 68.0163

Monochromacy



Original Color

51.6369, 46.1074, 90.1825

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

47.3892, 47.0871, 64.3486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6369, 46.1074, 90.1825 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(190, 170, 242)` looks like.

```
.text, #text, p{  
    color:rgb(190, 170, 242)  
}
```

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(190, 170, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 170, 242) }
```

Border

The CSS property to change the border of an element to XYZ 51.6369, 46.1074, 90.1825 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(190, 170, 242) }
```


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

```
.border{ border-color:rgb(190, 170, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 170, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 170, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 170, 242);  
box-shadow:4px 4px 4px 4px rgb(190, 170,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6369, 46.1074, 90.1825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 170, 242) }
```

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

```
.background{ background-color: rgb(190,  
170, 242) }
```

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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