

Converting Colors

XYZ(47.7110, 46.4487, 91.2932)

Have a look what the booklet for
XYZ(47.7110, 46.4487, 91.2932)
contains.

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Color

**XYZ(47.6151, 46.3112,
91.2234)**

Conversions

Conversions Part 1

Format	Color
Hex	A5B2F3
RGB	165, 178, 243
RGB Percent	65%, 70%, 95%
CMY	0.3529, 0.3019, 0.0471
CMYK	0.32, 0.27, 0.00, 0.05
HSL	230°, 76%, 80%
HSV	230°, 32%, 95%
XYZ	47.6151, 46.3112, 91.2234
YIQ	181.5230, -28.6130, 17.4590

Conversions

Conversions Part 2

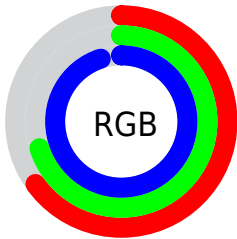
Format	Color
RYB	165, 176, 243
Decimal	10859251
CIELab	73.75, 10.26, -33.81
CIElCh	74, 35.331, 286.889
Yxy	46.3112, 0.2572, 0.2501
Android (android.graphics.Color)	4289049331 (0xFFA5B2F3)
YUV	181.5230, 30.3082, -14.4907
Hunter-Lab	68.0523, 5.8019, -31.8410

Details

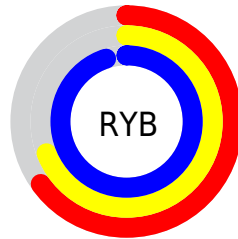
The XYZ color **47.6151, 46.3112, 91.2234** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **72.0514, 78.3658, 46.9275**, and the grayscale version is **44.0574, 46.3518, 50.4771**.

A 20% lighter version of the original color is **77.5970, 81.5952, 106.2674**, and **22.9860, 21.8891, 50.0272** is the 20% darker color. If you saturate the color by 10%, you get **39.2968, 36.4776, 89.7646**, and if you desaturate by 10%, it is **57.4915, 57.8329, 92.9276**.

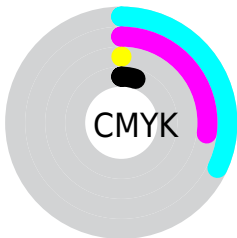
Distribution



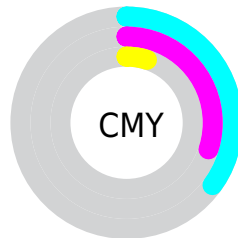
- Red (65%)
- Green (70%)
- Blue (95%)



- Red (65%)
- Yellow (69%)
- Blue (95%)



- Cyan (32%)
- Magenta (27%)
- Yellow (0%)
- Black (5%)



- Cyan (35%)
- Magenta (30%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6151, 46.3112, 91.2234 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 47.6151, 46.3112, 91.2234 by changing the saturation by 10% instead.

■ 47.6151, 46.3112,
91.2234

■ 47.6151, 46.3112,
91.2234

367.8725,
372.0584, 552.6750

■ 33.7322, 32.4915,
68.4164

■ 85.8442, 84.6845,
150.9869

■ 22.8498, 21.7372,
49.7677

■ 110.9211,
110.0069, 188.7805

■ 14.6027, 13.6639,
34.8590

140.4600,
139.9324, 232.4066

■ 8.6256, 7.8873,
23.2716

174.8263,
174.8452, 282.2839

■ 4.5529, 4.0229,
14.5870

214.3854,
215.1298, 338.8308

■ 2.0194, 1.6864,
8.3867

259.5025,

■ 0.6448, 0.4148,

261.1706, 402.4659

4.2520

310.5431,
313.3520, 473.6078

■ 0.0000, 0.0000,
1.7646

■ 0.0000, 0.0000,
0.4045

■ 47.6151, 46.3112,
91.2234

■ 47.6151, 46.3112,
91.2234

■ 39.2968, 36.4776,
89.7646

■ 57.4915, 57.8329,
92.9276

■ 32.4514, 28.2467,
88.5366

■ 68.9960, 71.1120,
94.8844

■ 26.9926, 21.5335,
87.5286

■ 82.1997, 86.2203,
97.1046

■ 22.8230, 16.2431,
86.7272

■ 93.1778, 99.2511,
99.0412

■ 19.8320, 12.2690,
86.1177

■ 17.8891, 9.4891,
85.6836

■ 16.9536, 8.0227,
85.4498

Harmonies

Analogous

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



41.3379, 46.3112, 92.1013



47.6151, 46.3112, 91.2234



53.4223, 46.3112, 77.9060

Triad

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



47.6151, 46.3112, 91.2234



52.7851, 46.3112, 29.1786



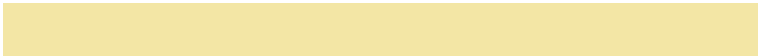
33.2849, 46.3112, 42.9887

Complementary

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



47.6151, 46.3112, 91.2234



72.0514, 78.3658, 46.9275

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.



35.7867, 46.3112, 30.3112



47.6151, 46.3112, 91.2234



46.8103, 46.3112, 23.7108

Square

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



47.6151, 46.3112, 91.2234



56.5959, 46.3112, 41.0411



40.6057, 46.3112, 24.0690



33.4560, 46.3112, 61.1403

Rectangle

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



47.6151, 46.3112, 91.2234



56.0682, 46.3112, 65.2342



40.6057, 46.3112, 24.0690



33.8303, 46.3112, 38.0460

Sweetspot

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



47.6167, 46.3130, 91.2245



79.8746, 82.6639, 106.3536



61.6699, 77.7420, 85.6658



16.6733, 17.2078, 22.6926



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.



47.6167, 46.3130, 91.2245



46.4498, 43.7960, 100.6130



50.7946, 44.2915, 90.6668



15.8043, 16.3729, 20.8699



9.3696, 4.5329, 46.9191



0.8865, 0.5244, 4.1447

Inverse Universe

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



58.4545, 49.1809, 48.5333



60.5116, 47.8696, 45.1434



67.8465, 81.7705, 47.8063



16.6118, 16.5276, 17.7023



20.5338, 10.5570, 2.2536



1.8365, 0.9406, 0.3655

Previews

White Background



This preview shows how the XYZ color 47.6151, 46.3112, 91.2234 looks on a white background.

Color Contrast Check

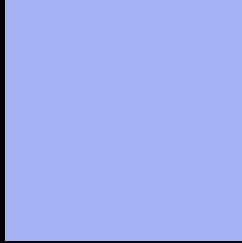
Large Text (above 18pt) WCAG AA × Fail

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 47.6151, 46.3112, 91.2234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

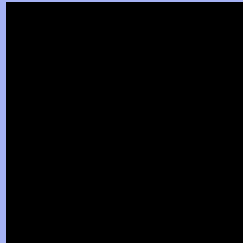
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6151, 46.3112, 91.2234

Background



This preview shows how black text looks on a background with the XYZ color 47.6151, 46.3112, 91.2234.



This preview shows how white text looks on a background with the XYZ color 47.6151, 46.3112,

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

47.6151, 46.3112, 91.2234

Protanopia

47.1981, 46.3926, 91.2611

Deuteranopia

47.4079, 46.2044, 91.2137



Tritanopia

41.8118, 46.4028, 62.0113

Trichromacy



Original Color

47.6151, 46.3112, 91.2234

Protanomaly

47.4020, 46.4978, 91.2706

Deuteranomaly

47.4079, 46.2044, 91.2137

Tritanomaly

43.6262, 46.1958, 71.5831

Monochromacy



Original Color

47.6151, 46.3112, 91.2234

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.3275, 46.6375, 63.7397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6151, 46.3112, 91.2234 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(165, 178, 243)` looks like.

```
.text, #text, p{  
    color:rgb(165, 178, 243)  
}
```

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(165, 178, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 178, 243) }
```

Border

The CSS property to change the border of an element to XYZ 47.6151, 46.3112, 91.2234 is called "border". The border property can be set on classes, ids or directly on the HTML element.

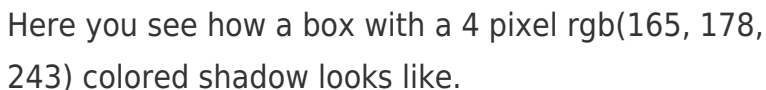
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 178, 243) }
```


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

```
.border{ border-color:rgb(165, 178, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 178, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 178, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 178, 243); box-shadow:4px 4px 4px 4px rgb(165, 178, 243) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6151, 46.3112, 91.2234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 178, 243) }
```

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

```
.background{ background-color: rgb(165,  
178, 243) }
```

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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