

Converting Colors

XYZ(21.5200, 15.1684, 49.0087)

Have a look what the booklet for
XYZ(21.5200, 15.1684, 49.0087)
contains.

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Color

**XYZ(21.4311, 15.0714,
48.7932)**

Conversions

Conversions Part 1

Format	Color
Hex	8157BB
RGB	129, 87, 187
RGB Percent	51%, 34%, 73%
CMY	0.4941, 0.6588, 0.2667
CMYK	0.31, 0.53, 0.00, 0.27
HSL	265°, 42%, 54%
HSV	265°, 53%, 73%
XYZ	21.4311, 15.0714, 48.7932
YIQ	110.9580, -7.0680, 40.0040

Conversions

Conversions Part 2

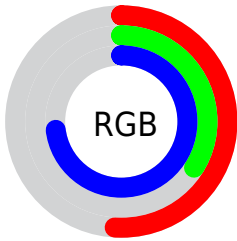
Format	Color
R_{YB}	129, 87, 187
Decimal	8476603
CIE _{Lab}	45.73, 38.24, -46.61
CIE _{LCh}	46, 60.293, 309.364
Yxy	15.0714, 0.2513, 0.1767
Android (android.graphics.Color)	4286666683 (0xFF8157BB)
YUV	110.9580, 37.4887, 15.8228
Hunter-Lab	38.8219, 30.6002, -47.3431

Details

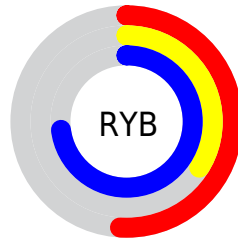
The XYZ color **21.4311, 15.0714, 48.7932** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **31.1679, 42.2487, 15.5294**, and the grayscale version is **14.9941, 15.7750, 17.1789**.

A 20% lighter version of the original color is **45.4252, 35.0229, 89.9539**, and **7.8608, 4.6403, 22.6717** is the 20% darker color. If you saturate the color by 10%, you get **18.5477, 11.6213, 48.2795**, and if you desaturate by 10%, it is **24.8828, 19.3970, 49.4465**.

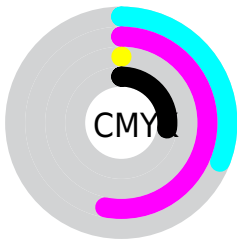
Distribution



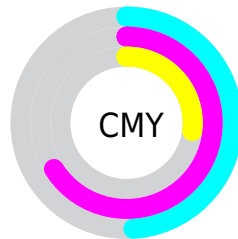
- Red (51%)
- Green (34%)
- Blue (73%)



- Red (51%)
- Yellow (34%)
- Blue (73%)



- Cyan (31%)
- Magenta (53%)
- Yellow (0%)
- Black (27%)



- Cyan (49%)
- Magenta (66%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4311, 15.0714, 48.7932 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 21.4311, 15.0714, 48.7932 by changing the saturation by 10% instead.

■ 21.4311, 15.0714,
48.7932

■ 21.4311, 15.0714,
48.7932

252.2493,
223.7980, 398.5267

■ 13.5537, 8.8695,
34.0910

■ 45.2898, 34.9784,
89.7620

■ 7.8906, 4.6562,
22.6856

■ 62.0018, 49.4523,
116.8658

■ 4.0762, 2.0470,
14.1584

■ 82.3895, 67.4523,
148.9404

■ 1.7453, 0.6345,
8.0909

■ 106.8181, 89.3628,
186.4046

■ 0.4844, 0.0000,
4.0646

■ 135.6531,
115.5683, 229.6767

■ 0.0000, 0.0000,
1.6608

169.2597,

■ 0.0000, 0.0000,

146.4530, 279.1754

0.3337

208.0033,
182.4014, 335.3192

■ 0.0000, 0.0000,
0.0000

■ 21.4311, 15.0714,
48.7932

■ 21.4311, 15.0714,
48.7932

■ 18.5477, 11.6213,
48.2795

■ 24.8828, 19.3970,
49.4465

■ 16.1942, 8.9803,
47.8938

■ 28.9337, 24.6543,
50.2477

■ 14.3301, 7.0748,
47.6243

■ 33.6145, 30.8969,
51.2060

■ 12.9064, 5.8162,
47.4563

■ 38.9533, 38.1734,
52.3291

■ 12.1562, 5.2306,
47.3829

■ 44.9762, 46.5294,
53.6245

■ 51.7078, 56.0076,
55.0992

■ 59.1715, 66.6484,
56.7597

■ 67.3897, 78.4902,
58.6123

■ 76.2869, 91.3762,
60.6306

Harmonies

Analogous

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



15.9684, 15.0714, 62.1721



21.4311, 15.0714, 48.7932



25.5069, 15.0714, 28.3318

Triad

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



21.4311, 15.0714, 48.7932



18.0382, 15.0714, 1.7023



6.7049, 15.0714, 21.3787

Complementary

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



21.4311, 15.0714, 48.7932



31.1679, 42.2487, 15.5294

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.



7.0078, 15.0714, 8.4132



21.4311, 15.0714, 48.7932



12.7983, 15.0714, 1.4081

Square

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



21.4311, 15.0714, 48.7932



23.2494, 15.0714, 4.3163



8.9939, 15.0714, 2.9134



8.0382, 15.0714, 41.2141

Rectangle

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



21.4311, 15.0714, 48.7932



26.4349, 15.0714, 16.7218



8.9939, 15.0714, 2.9134



6.6274, 15.0714, 16.1025

Sweetspot

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



21.4317, 15.0720, 48.7936



66.9820, 64.5492, 93.1303



23.0770, 25.9674, 50.8099



14.3090, 13.6117, 20.4157



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.4317, 15.0720, 48.7936



32.5003, 19.9834, 86.3456



30.8917, 19.9487, 49.2363



9.3860, 9.4159, 11.9950



8.4542, 3.6444, 32.6507



0.4059, 0.1813, 1.2825

Inverse Universe

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



29.0128, 19.4259, 29.0085



48.0780, 28.9515, 44.7179



24.2450, 38.6799, 15.2054



9.7559, 9.6266, 11.1034



16.0387, 8.0467, 10.7636



0.6602, 0.3280, 0.5900

Previews

White Background



This preview shows how the XYZ color 21.4311, 15.0714, 48.7932 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 21.4311, 15.0714, 48.7932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4311, 15.0714, 48.7932

Background



This preview shows how black text looks on a background with the XYZ color 21.4311, 15.0714, 48.7932.



This preview shows how white text looks on a background with the XYZ color 21.4311, 15.0714,

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

21.4311, 15.0714, 48.7932

Protanopia

17.5923, 15.2952, 59.7827

Deuteranopia

15.5995, 15.1845, 46.3647



Tritanopia

15.2615, 15.1678, 18.0429

Trichromacy



Original Color

21.4311, 15.0714, 48.7932

Protanomaly

17.9541, 14.5619, 55.2905

Deuteranomaly

16.8727, 14.6071, 47.2776

Tritanomaly

17.0153, 14.8398, 27.1669

Monochromacy



Original Color

21.4311, 15.0714, 48.7932

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.8828, 15.2184, 26.4737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4311, 15.0714, 48.7932 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(129, 87, 187)` looks like.

```
.text, #text, p{  
    color:rgb(129, 87, 187)  
}
```

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(129, 87, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 87, 187) }
```

Border

The CSS property to change the border of an element to XYZ 21.4311, 15.0714, 48.7932 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(129, 87, 187) }
```


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

```
.border{ border-color:rgb(129, 87, 187) }
```

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

Here you see how a box with a 4 pixel rgb(129, 87, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 87, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 87, 187);  
box-shadow:4px 4px 4px 4px rgb(129, 87,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4311, 15.0714, 48.7932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 87, 187) }
```

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

```
.background{ background-color: rgb(129, 87,  
187) }
```

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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