

Converting Colors

XYZ(21.8315, 12.7445, 64.9276)

Have a look what the booklet for
XYZ(21.8315, 12.7445, 64.9276)
contains.

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Color

**XYZ(21.8315, 12.7445,
64.9276)**

Conversions

Conversions Part 1

Format	Color
Hex	7842D6
RGB	120, 66, 214
RGB Percent	47%, 26%, 84%
CMY	0.5294, 0.7412, 0.1608
CMYK	0.44, 0.69, 0.00, 0.16
HSL	262°, 64%, 55%
HSV	262°, 69%, 84%
XYZ	21.8315, 12.7445, 64.9276
YIQ	99.0180, -15.3240, 57.4760

Conversions

Conversions Part 2

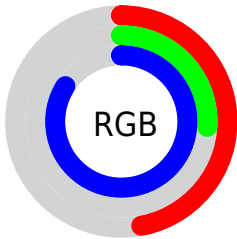
Format	Color
RYB	120, 66, 214
Decimal	7881430
CIELab	42.38, 54.59, -67.69
CIELCh	42, 86.961, 308.884
Yxy	12.7445, 0.2194, 0.1281
Android (android.graphics.Color)	4286071510 (0xFF7842D6)
YUV	99.0180, 56.6861, 18.4012
Hunter-Lab	35.6994, 46.6852, -82.8428

Details

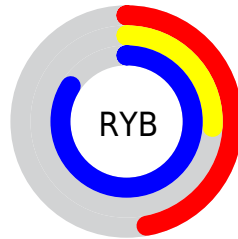
The XYZ color **21.8315, 12.7445, 64.9276** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **39.5266, 55.9600, 13.8724**, and the grayscale version is **11.7294, 12.3402, 13.4385**.

A 20% lighter version of the original color is **43.1188, 29.7606, 98.0795**, and **8.0837, 3.6155, 32.6196** is the 20% darker color. If you saturate the color by 10%, you get **19.0539, 9.7910, 64.5042**, and if you desaturate by 10%, it is **25.3455, 16.7716, 65.5200**.

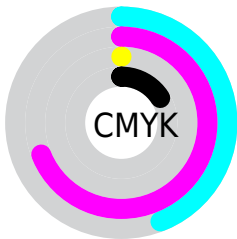
Distribution



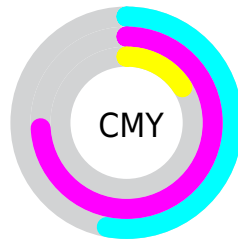
- Red (47%)
- Green (26%)
- Blue (84%)



- Red (47%)
- Yellow (26%)
- Blue (84%)



- Cyan (44%)
- Magenta (69%)
- Yellow (0%)
- Black (16%)



- Cyan (53%)
- Magenta (74%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8315, 12.7445, 64.9276 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 21.8315, 12.7445, 64.9276 by changing the saturation by 10% instead.

■ 21.8315, 12.7445,
64.9276

■ 21.8315, 12.7445,
64.9276

254.3140,
209.2737, 460.8308

■ 13.8490, 7.2528,
46.9514

■ 45.9483, 30.8440,
113.5580

■ 8.0968, 3.6207,
32.6432

■ 62.8133, 44.2206,
145.0494

■ 4.2092, 1.4637,
21.5844

■ 83.3699, 60.9944,
181.8828

■ 1.8212, 0.2630,
13.3564

■ 107.9835, 81.5496,
224.4769

■ 0.5304, 0.0000,
7.5408

■ 137.0193,
106.2708, 273.2503

■ 0.0000, 0.0000,
3.7190

170.8427,

■ 0.0000, 0.0000,

135.5423, 328.6213

1.4725

209.8192,
169.7484, 391.0087

■ 0.0000, 0.0000,
0.1973

■ 0.0000, 0.0000,
0.0000

■ 21.8315, 12.7445,
64.9276

■ 21.8315, 12.7445,
64.9276

■ 19.0539, 9.7910,
64.5042

■ 25.3455, 16.7716,
65.5200

■ 16.9442, 7.7937,
64.2299

■ 29.6512, 21.9701,
66.2965

■ 15.4008, 6.5663,
64.0743

■ 34.8003, 28.4278,
67.2715

■ 15.2866, 6.4784,
64.0634

■ 40.8392, 36.2233,
68.4579

■ 47.8108, 45.4288,
69.8673

■ 55.7549, 56.1114,
71.5106

■ 64.7090, 68.3336,
73.3978

■ 74.7086, 82.1542,
75.5384

■ 84.6278, 95.3101,
77.5549

Harmonies

Analogous

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



14.1583, 12.7445, 88.3822



21.8315, 12.7445, 64.9276



28.0124, 12.7445, 31.2862

Triad

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



21.8315, 12.7445, 64.9276



17.2245, 12.7445, 0.0000



3.4595, 12.7445, 20.2058

Complementary

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



21.8315, 12.7445, 64.9276



39.5266, 55.9600, 13.8724

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.



3.7686, 12.7445, 4.5336



21.8315, 12.7445, 64.9276



10.2753, 12.7445, 0.0000

Square

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



21.8315, 12.7445, 64.9276



24.7555, 12.7445, 1.3298



5.8160, 12.7445, 0.3754



4.7312, 12.7445, 50.9168

Rectangle

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



21.8315, 12.7445, 64.9276



29.5088, 12.7445, 14.5888



5.8160, 12.7445, 0.3754



3.3956, 12.7445, 13.1879

Sweetspot

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



21.8322, 12.7449, 64.9279



68.8574, 64.5740, 103.4426



27.3401, 31.9246, 68.3397



14.1064, 12.9845, 22.0127



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.



21.8322, 12.7449, 64.9279



26.7529, 13.0079, 95.7085



35.7736, 19.9320, 65.5804



12.1662, 12.2271, 15.6564



9.3445, 3.9698, 38.7269



0.6531, 0.2856, 2.3400

Inverse Universe

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



36.0248, 20.7306, 35.3589



50.1296, 26.2185, 44.4177



29.0736, 50.5712, 13.3832



12.7518, 12.5522, 14.6333



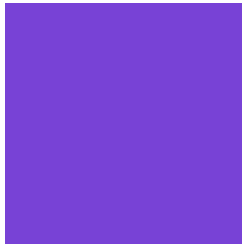
19.4959, 9.7347, 15.1812



1.2150, 0.6028, 1.1218

Previews

White Background



This preview shows how the XYZ color 21.8315, 12.7445, 64.9276 looks on a white background.

Color Contrast Check

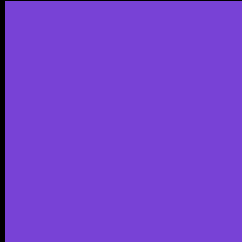
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8315, 12.7445, 64.9276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

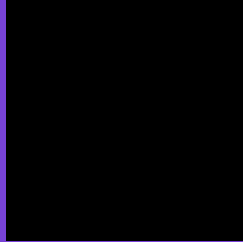
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8315, 12.7445, 64.9276

Background



This preview shows how black text looks on a background with the XYZ color 21.8315, 12.7445, 64.9276.



This preview shows how white text looks on a background with the XYZ color 21.8315, 12.7445,

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

21.8315, 12.7445, 64.9276

Protanopia

15.0820, 12.7254, 58.7881

Deuteranopia

12.6872, 12.6771, 43.3732



Tritanopia

12.0301, 12.7912, 16.3029

Trichromacy



Original Color

21.8315, 12.7445, 64.9276



Protanomaly

15.6724, 11.5865, 61.0849



Deuteranomaly

13.9053, 11.3979, 50.1823



Tritanomaly

14.3497, 11.9696, 29.1578

Monochromacy



Original Color

21.8315, 12.7445, 64.9276



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

14.2793, 11.8653, 26.7369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8315, 12.7445, 64.9276 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(120, 66, 214)` looks like.

```
.text, #text, p{  
    color:rgb(120, 66, 214)  
}
```

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(120, 66, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 66, 214) }
```

Border

The CSS property to change the border of an element to XYZ 21.8315, 12.7445, 64.9276 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(120, 66, 214) }
```


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

```
.border{ border-color:rgb(120, 66, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 66, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 66, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 66, 214);  
box-shadow:4px 4px 4px 4px rgb(120, 66,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8315, 12.7445, 64.9276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 66, 214) }
```

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

```
.background{ background-color: rgb(120, 66,  
214) }
```

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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