

Converting Colors

XYZ(21.7946, 19.2686, 43.2209)

Have a look what the booklet for
XYZ(21.7946, 19.2686, 43.2209)
contains.

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Color

**XYZ(21.7812, 19.2673,
43.1284)**

Conversions

Conversions Part 1

Format	Color
Hex	7A72AF
RGB	122, 114, 175
RGB Percent	48%, 45%, 69%
CMY	0.5216, 0.5529, 0.3137
CMYK	0.30, 0.35, 0.00, 0.31
HSL	248°, 28%, 57%
HSV	248°, 35%, 69%
XYZ	21.7812, 19.2673, 43.1284
YIQ	123.3460, -14.8130, 20.6670

Conversions

Conversions Part 2

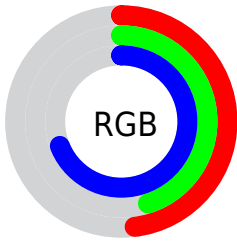
Format	Color
R_{YB}	122, 114, 175
Decimal	8024751
CIE _{Lab}	51.00, 17.19, -31.37
CIE _{LCh}	51, 35.766, 298.721
Yxy	19.2673, 0.2588, 0.2289
Android (android.graphics.Color)	4286214831 (0xFF7A72AF)
YUV	123.3460, 25.4654, -1.1804
Hunter-Lab	43.8945, 11.7592, -27.5290

Details

The XYZ color **21.7812, 19.2673, 43.1284** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.3039, 40.0907, 21.8505**, and the grayscale version is **18.8635, 19.8458, 21.6121**.

A 20% lighter version of the original color is **45.9645, 42.2721, 81.3380**, and **8.0596, 6.6412, 19.2694** is the 20% darker color. If you saturate the color by 10%, you get **18.0059, 14.6661, 42.4396**, and if you desaturate by 10%, it is **26.2724, 24.7989, 43.9597**.

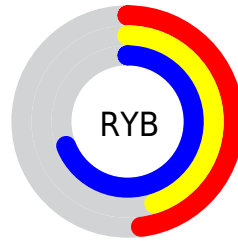
Distribution



Red (48%)

Green (45%)

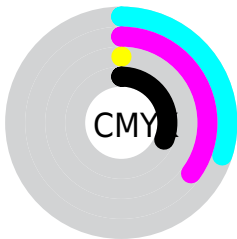
Blue (69%)



Red (48%)

Yellow (45%)

Blue (69%)

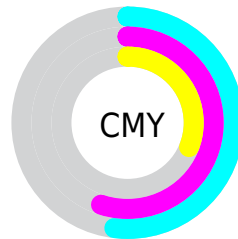


Cyan (30%)

Magenta (35%)

Yellow (0%)

Black (31%)



Cyan (52%)

Magenta (55%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7812, 19.2673, 43.1284 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 21.7812, 19.2673, 43.1284 by changing the saturation by 10% instead.

■ 21.7812, 19.2673,
43.1284

■ 21.7812, 19.2673,
43.1284

254.0554,
247.9205, 375.0763

■ 13.8119, 11.8636,
29.6537

■ 45.8657, 42.1853,
81.1930

■ 8.0708, 6.6509,
19.3261

■ 62.7115, 58.4683,
106.6200

■ 4.1925, 3.2447,
11.7269

■ 83.2470, 78.4800,
136.8683

■ 1.8116, 1.2608,
6.4378

■ 107.8374,
102.6046, 172.3562

■ 0.5246, 0.1105,
3.0400

136.8481,
131.2265, 213.5025

■ 0.0000, 0.0000,
1.1151

170.6444,

■ 0.0000, 0.0000,

164.7302, 260.7255

0.0000

209.5917,
203.5001, 314.4439

■ 21.7812, 19.2673,
43.1284

■ 21.7812, 19.2673,
43.1284

■ 18.0059, 14.6661,
42.4396

■ 26.2724, 24.7989,
43.9597

■ 14.9071, 10.9418,
41.8841

■ 31.5119, 31.3060,
44.9396

■ 12.4450, 8.0389,
41.4535

■ 37.5327, 38.8335,
46.0752

■ 10.5744, 5.8946,
41.1382

■ 44.3650, 47.4226,
47.3730

■ 9.2443, 4.4367,
40.9269

■ 52.0376, 57.1125,
48.8389

■ 8.3939, 3.5784,
40.8061

■ 60.5779, 67.9403,
50.4788

■ 8.0902, 3.2768,
40.7639

■ 70.0118, 79.9413,
52.2980

■ 80.3644, 93.1495,
54.3018

■ 84.7379, 95.8752,
54.5974

Harmonies

Analogous

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



18.1616, 19.2673, 47.1136



21.7812, 19.2673, 43.1284



24.7655, 19.2673, 32.8101

Triad

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



21.7812, 19.2673, 43.1284



22.0778, 19.2673, 8.3428



12.3180, 19.2673, 20.5469

Complementary

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



21.7812, 19.2673, 43.1284



34.3039, 40.0907, 21.8505

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.



13.0916, 19.2673, 12.4005



21.7812, 19.2673, 43.1284



18.4653, 19.2673, 6.9053

Square

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



21.7812, 19.2673, 43.1284



24.9516, 19.2673, 12.9387



15.2340, 19.2673, 8.1098



12.9705, 19.2673, 31.8055

Rectangle

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



21.7812, 19.2673, 43.1284



25.8291, 19.2673, 25.0256



15.2340, 19.2673, 8.1098



12.4178, 19.2673, 17.3937

Sweetspot

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



21.7819, 19.2680, 43.1288



61.3086, 62.1491, 81.4015



28.6589, 34.6352, 45.7326



13.3009, 13.4065, 18.0310



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.7819, 19.2680, 43.1288



33.5843, 27.8872, 76.2495



26.6330, 21.7689, 43.3559



7.6730, 7.8057, 10.0549



5.8244, 2.3625, 29.1935



0.1918, 0.0811, 0.8135

Inverse Universe

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



30.6720, 23.9392, 39.5635



52.0590, 37.6034, 68.4333



28.7472, 37.2261, 21.5905



8.2912, 8.1297, 9.8442



16.7383, 8.1578, 22.0649



0.4779, 0.2319, 0.6786

Previews

White Background



This preview shows how the XYZ color 21.7812, 19.2673, 43.1284 looks on a white 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

Black Background



This preview shows how the XYZ color 21.7812, 19.2673, 43.1284 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 × Fail

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

XYZ 21.7812, 19.2673, 43.1284

Background



This preview shows how black text looks on a background with the XYZ color 21.7812, 19.2673, 43.1284.

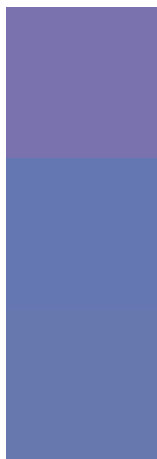


This preview shows how white text looks on a background with the XYZ color 21.7812, 19.2673,

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

21.7812, 19.2673, 43.1284

Protanopia

20.1003, 19.2150, 45.2973

Deuteranopia

19.8359, 19.3137, 42.7269



Tritanopia

18.0579, 19.3426, 24.6115

Trichromacy



Original Color

21.7812, 19.2673, 43.1284

Protanomaly

20.7038, 19.1881, 44.7320

Deuteranomaly

20.4251, 19.2641, 42.6862

Tritanomaly

19.2642, 19.2841, 30.7238

Monochromacy



Original Color

21.7812, 19.2673, 43.1284

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.7673, 19.5969, 28.3319

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7812, 19.2673, 43.1284 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(122, 114, 175)` looks like.

```
.text, #text, p{  
    color:rgb(122, 114, 175)  
}
```

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(122, 114, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 114, 175) }
```

Border

The CSS property to change the border of an element to XYZ 21.7812, 19.2673, 43.1284 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(122, 114, 175) }
```


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

```
.border{ border-color:rgb(122, 114, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 114, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 114, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 114, 175);  
box-shadow:4px 4px 4px 4px rgb(122, 114,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7812, 19.2673, 43.1284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 114, 175) }
```

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

```
.background{ background-color: rgb(122,  
114, 175) }
```

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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