

Converting Colors

XYZ(21.2896, 19.0837, 49.5521)

Have a look what the booklet for
XYZ(21.2896, 19.0837, 49.5521)
contains.

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Color

**XYZ(21.2847, 19.0375,
49.5665)**

Conversions

Conversions Part 1

Format	Color
Hex	6C73BB
RGB	108, 115, 187
RGB Percent	42%, 45%, 73%
CMY	0.5765, 0.5490, 0.2667
CMYK	0.42, 0.39, 0.00, 0.27
HSL	235°, 37%, 58%
HSV	235°, 42%, 73%
XYZ	21.2847, 19.0375, 49.5665
YIQ	121.1150, -27.2840, 20.9080

Conversions

Conversions Part 2

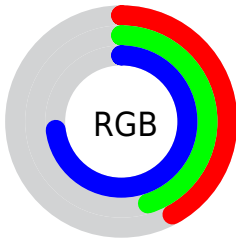
Format	Color
R _Y B	108, 114, 187
Decimal	7107515
CIE Lab	50.73, 16.00, -38.80
CIE LCh	51, 41.968, 292.407
Yxy	19.0375, 0.2368, 0.2118
Android (android.graphics.Color)	4285297595 (0xFF6C73BB)
YUV	121.1150, 32.4813, -11.5019
Hunter-Lab	43.6320, 10.7205, -36.8118

Details

The XYZ color **21.2847, 19.0375, 49.5665** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.5222, 44.2908, 20.6542**, and the grayscale version is **18.1164, 19.0598, 20.7562**.

A 20% lighter version of the original color is **45.2521, 41.9556, 91.3012**, and **7.7621, 6.4920, 23.0343** is the 20% darker color. If you saturate the color by 10%, you get **17.4825, 14.4544, 48.8826**, and if you desaturate by 10%, it is **25.9354, 24.5920, 50.3939**.

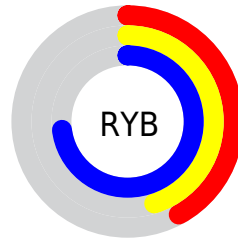
Distribution



Red (42%)

Green (45%)

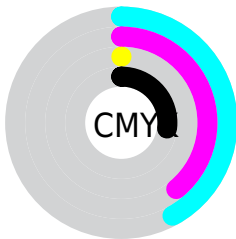
Blue (73%)



Red (42%)

Yellow (45%)

Blue (73%)

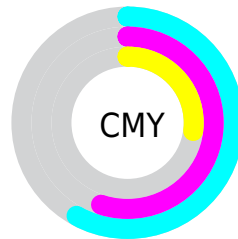


Cyan (42%)

Magenta (39%)

Yellow (0%)

Black (27%)



Cyan (58%)

Magenta (55%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2847, 19.0375, 49.5665 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 21.2847, 19.0375, 49.5665 by changing the saturation by 10% instead.

■ 21.2847, 19.0375,
49.5665

■ 21.2847, 19.0375,
49.5665

251.4908,
246.6557, 401.6547

■ 13.4459, 11.6974,
34.7003

■ 45.0486, 41.7975,
90.9219

■ 7.8154, 6.5380,
23.1504

■ 61.7044, 57.9861,
118.2483

■ 4.0279, 3.1749,
14.4983

■ 82.0299, 77.8930,
150.5650

■ 1.7179, 1.2237,
8.3253

■ 106.3905,
101.9026, 188.2908

■ 0.4674, 0.0809,
4.2131

135.1516,
130.3993, 231.8441

■ 0.0000, 0.0000,
1.7429

168.6784,

■ 0.0000, 0.0000,

163.7674, 281.6435

0.3899

207.3364,
202.3914, 338.1075

■ 0.0000, 0.0000,
0.0000

■ 21.2847, 19.0375,
49.5665

■ 21.2847, 19.0375,
49.5665

■ 17.4825, 14.4544,
48.8826

■ 25.9354, 24.5920,
50.3939

■ 14.4754, 10.7848,
48.3328

■ 31.4794, 31.1673,
51.3708

■ 12.2071, 7.9678,
47.9086

■ 37.9611, 38.8118,
52.5048

■ 10.6131, 5.9340,
47.6001

■ 45.4211, 47.5704,
53.8021

■ 9.6176, 4.6031,
47.3957

■ 53.8976, 57.4851,
55.2691

■ 9.1635, 3.9755,
47.2985

■ 63.4269, 68.5961,
56.9115

■ 74.0435, 80.9413,
58.7348

■ 84.8158, 94.0601,
60.6992

■ 85.9697, 96.3679,
61.0839

Harmonies

Analogous

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



17.0680, 19.0375, 52.3228



21.2847, 19.0375, 49.5665



25.1239, 19.0375, 37.8745

Triad

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



21.2847, 19.0375, 49.5665



23.3693, 19.0375, 7.4495



11.3243, 19.0375, 17.8734

Complementary

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



21.2847, 19.0375, 49.5665



39.5222, 44.2908, 20.6542

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.



12.5163, 19.0375, 9.7415



21.2847, 19.0375, 49.5665



19.1615, 19.0375, 5.3940

Square

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



21.2847, 19.0375, 49.5665



26.4492, 19.0375, 13.2286



15.2403, 19.0375, 6.0347



11.7155, 19.0375, 30.6330

Rectangle

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



21.2847, 19.0375, 49.5665



26.7433, 19.0375, 28.3686



15.2403, 19.0375, 6.0347



11.5460, 19.0375, 14.6005

Sweetspot

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



21.2854, 19.0382, 49.5670



66.7914, 68.1034, 93.8264



32.1021, 41.9880, 49.1139



14.1161, 14.2997, 20.5587



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.



21.2854, 19.0382, 49.5670



31.5675, 26.1987, 87.5945



25.0809, 19.8546, 49.5245



9.0827, 9.3576, 11.9997



6.3373, 2.7863, 32.5967



0.2715, 0.1557, 1.2846

Inverse Universe

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



28.9512, 22.5285, 19.0429



47.2710, 33.6467, 24.9987



34.0722, 43.6321, 20.8143



9.5636, 9.5497, 10.0908



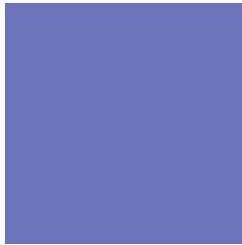
14.1995, 7.3110, 1.0785



0.5680, 0.2911, 0.1041

Previews

White Background



This preview shows how the XYZ color 21.2847, 19.0375, 49.5665 looks on a white background.

Color Contrast Check

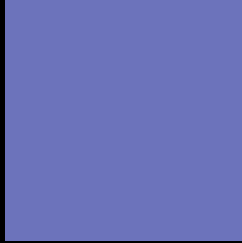
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2847, 19.0375, 49.5665 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 21.2847, 19.0375, 49.5665

Background



This preview shows how black text looks on a background with the XYZ color 21.2847, 19.0375, 49.5665.



This preview shows how white text looks on a background with the XYZ color 21.2847, 19.0375,

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

21.2847, 19.0375, 49.5665

Protanopia

20.3888, 19.0543, 51.3184

Deuteranopia

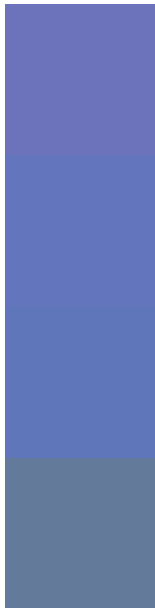
19.6039, 19.0528, 49.0987



Tritanopia

16.6241, 19.1322, 26.1092

Trichromacy



Original Color

21.2847, 19.0375, 49.5665

Protanomaly

20.6922, 19.0494, 50.7304

Deuteranomaly

20.0607, 18.9349, 49.0519

Tritanomaly

18.1315, 18.9950, 33.7211

Monochromacy



Original Color

21.2847, 19.0375, 49.5665

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.9101, 18.9510, 29.4493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2847, 19.0375, 49.5665 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(108, 115, 187)` looks like.

```
.text, #text, p{  
    color:rgb(108, 115, 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(108, 115, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 115, 187) }
```

Border

The CSS property to change the border of an element to XYZ 21.2847, 19.0375, 49.5665 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(108, 115, 187) }
```


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

```
.border{ border-color:rgb(108, 115, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 115, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 115, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 115, 187);  
box-shadow:4px 4px 4px 4px rgb(108, 115,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2847, 19.0375, 49.5665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 115, 187) }
```

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

```
.background{ background-color: rgb(108,  
115, 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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