

Converting Colors

XYZ(21.5398, 19.1798, 46.9836)

Have a look what the booklet for
XYZ(21.5398, 19.1798, 46.9836)
contains.

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Color

**XYZ(21.5137, 19.2163,
46.8312)**

Conversions

Conversions Part 1

Format	Color
Hex	7273B6
RGB	114, 115, 182
RGB Percent	45%, 45%, 71%
CMY	0.5529, 0.5490, 0.2863
CMYK	0.37, 0.37, 0.00, 0.29
HSL	239°, 32%, 58%
HSV	239°, 37%, 71%
XYZ	21.5137, 19.2163, 46.8312
YIQ	122.3390, -22.1030, 20.6250

Conversions

Conversions Part 2

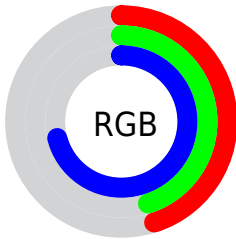
Format	Color
RYB	114, 115, 182
Decimal	7500726
CIELab	50.94, 16.18, -35.56
CIELCh	51, 39.067, 294.474
Yxy	19.2163, 0.2457, 0.2195
Android (android.graphics.Color)	4285690806 (0xFF7273B6)
YUV	122.3390, 29.4129, -7.3133
Hunter-Lab	43.8364, 10.8892, -32.6551

Details

The XYZ color **21.5137, 19.2163, 46.8312** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.8532, 44.2086, 22.4059**, and the grayscale version is **18.5220, 19.4866, 21.2209**.

A 20% lighter version of the original color is **45.3998, 42.1353, 86.6290**, and **7.9562, 6.6234, 21.6280** is the 20% darker color. If you saturate the color by 10%, you get **17.5279, 14.4158, 46.1150**, and if you desaturate by 10%, it is **26.3697, 25.0566, 47.7029**.

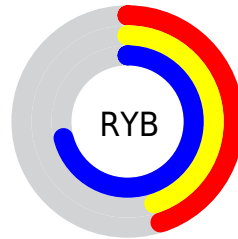
Distribution



Red (45%)

Green (45%)

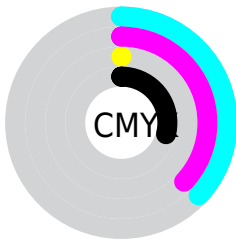
Blue (71%)



Red (45%)

Yellow (45%)

Blue (71%)

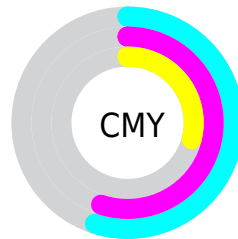


Cyan (37%)

Magenta (37%)

Yellow (0%)

Black (29%)



Cyan (55%)

Magenta (55%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5137, 19.2163, 46.8312 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 21.5137, 19.2163, 46.8312 by changing the saturation by 10% instead.

■ 21.5137, 19.2163,
46.8312

■ 21.5137, 19.2163,
46.8312

252.6764,
247.6403, 390.5146

■ 13.6146, 11.8267,
32.5488

■ 45.4258, 42.0993,
86.8089

■ 7.9330, 6.6258,
21.5128

■ 62.1695, 58.3614,
113.3414

■ 4.1036, 3.2292,
13.3045

■ 82.5921, 78.3499,
144.7943

■ 1.7609, 1.2525,
7.5053

■ 107.0590,
102.4490, 181.5862

■ 0.4939, 0.1040,
3.6969

135.9355,
131.0432, 224.1357

■ 0.0000, 0.0000,
1.4606

169.5870,

■ 0.0000, 0.0000,

164.5169, 272.8612

0.1883

208.3789,
203.2544, 328.1813

■ 0.0000, 0.0000,
0.0000

■ 21.5137, 19.2163,
46.8312

■ 21.5137, 19.2163,
46.8312

■ 17.5279, 14.4158,
46.1150

■ 26.3697, 25.0566,
47.7029

■ 14.3589, 10.5921,
45.5440

■ 32.1409, 31.9904,
48.7371

■ 11.9508, 7.6789,
45.1086

■ 38.8716, 40.0703,
49.9419

■ 10.2399, 5.6006,
44.7977

■ 46.6028, 49.3449,
51.3246

■ 9.1519, 4.2695,
44.5981

■ 55.3728, 59.8599,
52.8920

■ 8.5841, 3.5692,
44.4928

■ 65.2183, 71.6587,
54.6505

■ 8.4726, 3.4355,
44.4729

■ 76.1738, 84.7826,
56.6062

■ 85.4436, 96.1574,
58.3132

Harmonies

Analogous

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



17.5594, 19.2163, 49.9977



21.5137, 19.2163, 46.8312



24.9923, 19.2163, 35.8571

Triad

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



21.5137, 19.2163, 46.8312



22.9235, 19.2163, 7.9574



11.8305, 19.2163, 18.9432

Complementary

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



21.5137, 19.2163, 46.8312



38.8532, 44.2086, 22.4059

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.



12.8675, 19.2163, 10.8462



21.5137, 19.2163, 46.8312



18.9883, 19.2163, 6.0999

Square

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



21.5137, 19.2163, 46.8312



25.8832, 19.2163, 13.2975



15.3601, 19.2163, 6.9309



12.3101, 19.2163, 31.0178

Rectangle

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



21.5137, 19.2163, 46.8312



26.3859, 19.2163, 27.1415



15.3601, 19.2163, 6.9309



12.0083, 19.2163, 15.7357

Sweetspot

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



21.5144, 19.2170, 46.8317



65.5956, 66.7923, 89.6707



31.9948, 40.3646, 49.7496



14.1220, 14.3129, 19.7400



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.5144, 19.2170, 46.8317



32.8317, 27.4059, 83.7952



26.4703, 21.6037, 47.0311



8.5314, 8.7400, 11.3168



5.9875, 2.4347, 31.4074



0.2147, 0.0930, 1.1084

Inverse Universe

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



28.4039, 23.2184, 19.2049



47.1803, 35.7769, 26.2488



32.1847, 41.0734, 22.1522



9.0098, 9.0143, 9.3991



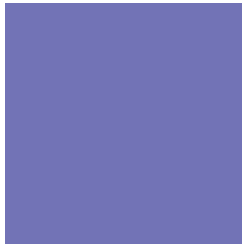
13.6359, 7.0281, 0.7035



0.4825, 0.2485, 0.0344

Previews

White Background



This preview shows how the XYZ color 21.5137, 19.2163, 46.8312 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 21.5137, 19.2163, 46.8312 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 21.5137, 19.2163, 46.8312

Background



This preview shows how black text looks on a background with the XYZ color 21.5137, 19.2163, 46.8312.

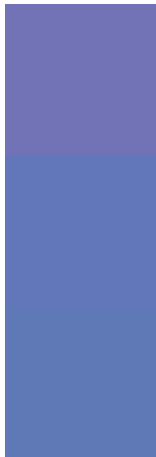


This preview shows how white text looks on a background with the XYZ color 21.5137, 19.2163,

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

21.5137, 19.2163, 46.8312

Protanopia

20.3908, 19.2931, 48.5482

Deuteranopia

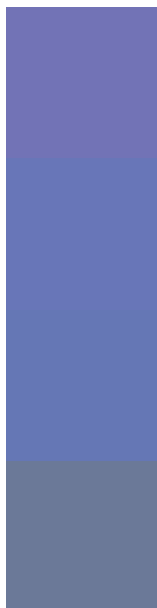
19.7940, 19.3906, 46.4156



Tritanopia

17.3003, 19.3001, 25.7351

Trichromacy



Original Color

21.5137, 19.2163, 46.8312

Protanomaly

20.8391, 19.3606, 47.9860

Deuteranomaly

20.3041, 19.2965, 46.3705

Tritanomaly

18.5683, 19.0675, 32.4075

Monochromacy



Original Color

21.5137, 19.2163, 46.8312

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.2386, 19.1292, 29.0639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5137, 19.2163, 46.8312 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(114, 115, 182)` looks like.

```
.text, #text, p{  
    color:rgb(114, 115, 182)  
}
```

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(114, 115, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 115, 182) }
```

Border

The CSS property to change the border of an element to XYZ 21.5137, 19.2163, 46.8312 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(114, 115, 182) }
```


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

```
.border{ border-color:rgb(114, 115, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 115, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 115, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 115, 182);  
box-shadow:4px 4px 4px 4px rgb(114, 115,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5137, 19.2163, 46.8312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 115, 182) }
```

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

```
.background{ background-color: rgb(114,  
115, 182) }
```

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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