

Converting Colors

XYZ(23.2660, 21.7720, 47.6659)

Have a look what the booklet for
XYZ(23.2660, 21.7720, 47.6659)
contains.

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Color

**XYZ(23.2261, 21.6858,
47.7614)**

Conversions

Conversions Part 1

Format	Color
Hex	767CB7
RGB	118, 124, 183
RGB Percent	46%, 49%, 72%
CMY	0.5372, 0.5137, 0.2823
CMYK	0.36, 0.32, 0.00, 0.28
HSL	234°, 31%, 59%
HSV	234°, 36%, 72%
XYZ	23.2261, 21.6858, 47.7614
YIQ	128.9320, -22.5150, 17.0770

Conversions

Conversions Part 2

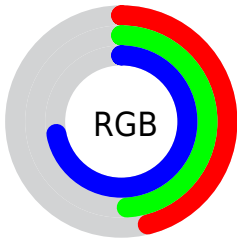
Format	Color
R_{YB}	118, 123, 183
Decimal	7765175
CIE _{Lab}	53.69, 12.20, -31.80
CIE _{LCh}	54, 34.063, 290.985
Yxy	21.6858, 0.2506, 0.2340
Android (android.graphics.Color)	4285955255 (0xFF767CB7)
YUV	128.9320, 26.6555, -9.5874
Hunter-Lab	46.5680, 7.5340, -28.2118

Details

The XYZ color **23.2261, 21.6858, 47.7614** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.5211, 42.8200, 23.3751**, and the grayscale version is **20.7584, 21.8395, 23.7832**.

A 20% lighter version of the original color is **48.1186, 46.0533, 88.0144**, and **8.7921, 7.8021, 22.1617** is the 20% darker color. If you saturate the color by 10%, you get **19.0686, 16.7086, 47.0202**, and if you desaturate by 10%, it is **28.2179, 27.6145, 48.6430**.

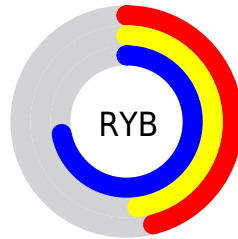
Distribution



Red (46%)

Green (49%)

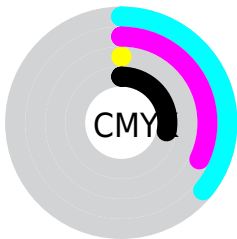
Blue (72%)



Red (46%)

Yellow (48%)

Blue (72%)

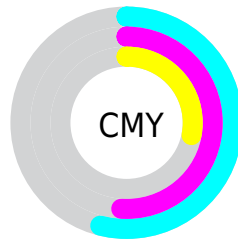


Cyan (36%)

Magenta (32%)

Yellow (0%)

Black (28%)



Cyan (54%)

Magenta (51%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2261, 21.6858, 47.7614 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 23.2261, 21.6858, 47.7614 by changing the saturation by 10% instead.

■ 23.2261, 21.6858,
47.7614

■ 23.2261, 21.6858,
47.7614

261.3979,
260.9010, 394.3270

■ 14.8822, 13.6262,
33.2793

■ 48.2282, 46.2261,
88.2109

■ 8.8225, 7.8612,
22.0676

■ 65.6172, 63.4757,
115.0154

■ 4.6818, 4.0062,
13.7078

■ 86.7518, 84.5573,
146.7645

■ 2.0946, 1.6770,
7.7813

111.9975,
109.8555, 183.8766

■ 0.6863, 0.4087,
3.8696

141.7196,
139.7545, 226.7704

■ 0.0000, 0.0000,
1.5541

176.2834,

■ 0.0000, 0.0000,

174.6389, 275.8644

0.2577

216.0544,
214.8929, 331.5770

■ 0.0000, 0.0000,
0.0000

■ 23.2261, 21.6858,
47.7614

■ 23.2261, 21.6858,
47.7614

■ 19.0686, 16.7086,
47.0202

■ 28.2179, 27.6145,
48.6430

■ 15.6977, 12.6309,
46.4108

■ 34.0837, 34.5381,
49.6703

■ 13.0639, 9.3994,
45.9259

■ 40.8636, 42.5004,
50.8498

■ 11.1118, 6.9542,
45.5568

■ 48.5944, 51.5419,
52.1875

■ 9.7774, 5.2276,
45.2939

■ 57.3108, 61.7007,
53.6890

■ 8.9836, 4.1392,
45.1256

■ 67.0460, 73.0133,
55.3594

■ 8.7461, 3.8165,
45.0759

■ 77.8315, 85.5144,
57.2039

■ 85.5473, 96.1989,
58.8596

Harmonies

Analogous

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



19.5324, 21.6858, 49.5160



23.2261, 21.6858, 47.7614



26.5537, 21.6858, 38.6437

Triad

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



23.2261, 21.6858, 47.7614



25.3483, 21.6858, 11.1940



14.4333, 21.6858, 20.6033

Complementary

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



23.2261, 21.6858, 47.7614



38.5211, 42.8200, 23.3751

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.



15.6297, 21.6858, 13.0926



23.2261, 21.6858, 47.7614



21.7300, 21.6858, 8.8139

Square

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



23.2261, 21.6858, 47.7614



27.8759, 21.6858, 17.1261



18.2012, 21.6858, 9.3878



14.7337, 21.6858, 31.5584

Rectangle

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



23.2261, 21.6858, 47.7614



27.9768, 21.6858, 30.7777



18.2012, 21.6858, 9.3878



14.6679, 21.6858, 17.6552

Sweetspot

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



23.2269, 21.6866, 47.7619



66.1032, 67.8076, 89.8399



32.2913, 40.8735, 47.5221



14.2453, 14.5596, 19.7811



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.



23.2269, 21.6866, 47.7619



35.3906, 31.4141, 84.4339



26.5280, 22.3058, 47.7074



8.5860, 8.8493, 11.3350



6.1246, 2.7089, 31.4531



0.2383, 0.1403, 1.1163

Inverse Universe

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



29.6456, 24.4801, 22.2323



48.7428, 37.4390, 31.2796



34.1087, 42.3436, 23.5157



9.0374, 9.0253, 9.5443



13.7051, 7.0558, 1.0679



0.4944, 0.2533, 0.0972

Previews

White Background



This preview shows how the XYZ color 23.2261, 21.6858, 47.7614 looks on a white background.

Color Contrast Check

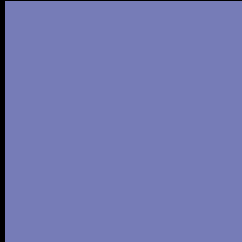
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2261, 21.6858, 47.7614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

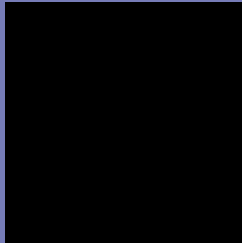
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2261, 21.6858, 47.7614

Background



This preview shows how black text looks on a background with the XYZ color 23.2261, 21.6858, 47.7614.



This preview shows how white text looks on a background with the XYZ color 23.2261, 21.6858,

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

23.2261, 21.6858, 47.7614

Protanopia

22.5245, 21.6757, 48.8956

Deuteranopia

22.2172, 21.7443, 47.2821



Tritanopia

19.5159, 21.7369, 29.1536

Trichromacy



Original Color

23.2261, 21.6858, 47.7614

Protanomaly

22.6674, 21.5727, 48.3166

Deuteranomaly

22.5864, 21.7439, 47.2625

Tritanomaly

20.7039, 21.6139, 35.4284

Monochromacy



Original Color

23.2261, 21.6858, 47.7614

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.4716, 21.7086, 31.4923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2261, 21.6858, 47.7614 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(118, 124, 183)` looks like.

```
.text, #text, p{  
    color:rgb(118, 124, 183)  
}
```

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(118, 124, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 124, 183) }
```

Border

The CSS property to change the border of an element to XYZ 23.2261, 21.6858, 47.7614 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(118, 124, 183) }
```


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

```
.border{ border-color:rgb(118, 124, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 124, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 124, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 124, 183);  
box-shadow:4px 4px 4px 4px rgb(118, 124,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2261, 21.6858, 47.7614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 124, 183) }
```

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

```
.background{ background-color: rgb(118,  
124, 183) }
```

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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