

Converting Colors

XYZ(23.4812, 19.9282, 56.1674)

Have a look what the booklet for
XYZ(23.4812, 19.9282, 56.1674)
contains.

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Color

**XYZ(23.4128, 19.8248,
56.0187)**

Conversions

Conversions Part 1

Format	Color
Hex	7472C6
RGB	116, 114, 198
RGB Percent	45%, 45%, 78%
CMY	0.5451, 0.5529, 0.2235
CMYK	0.41, 0.42, 0.00, 0.22
HSL	241°, 42%, 61%
HSV	241°, 42%, 78%
XYZ	23.4128, 19.8248, 56.0187
YIQ	124.1740, -25.7720, 26.5480

Conversions

Conversions Part 2

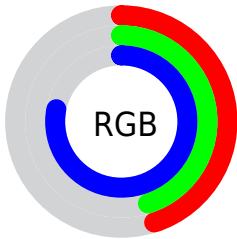
Format	Color
R _Y B	116, 114, 198
Decimal	7631558
CIE Lab	51.64, 21.89, -43.64
CIE LCh	52, 48.821, 296.633
Yxy	19.8248, 0.2359, 0.1997
Android (android.graphics.Color)	4285821638 (0xFF7472C6)
YUV	124.1740, 36.3962, -7.1686
Hunter-Lab	44.5250, 15.9426, -43.4275

Details

The XYZ color **23.4128, 19.8248, 56.0187** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.9962, 53.3390, 23.7913**, and the grayscale version is **19.1054, 20.1004, 21.8893**.

A 20% lighter version of the original color is **48.4808, 43.1504, 100.3814**, and **8.9689, 6.9342, 27.2513** is the 20% darker color. If you saturate the color by 10%, you get **19.1090, 14.6422, 55.2456**, and if you desaturate by 10%, it is **28.7360, 26.2512, 56.9789**.

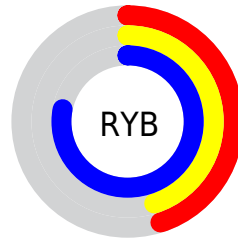
Distribution



Red (45%)

Green (45%)

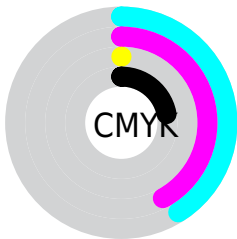
Blue (78%)



Red (45%)

Yellow (45%)

Blue (78%)

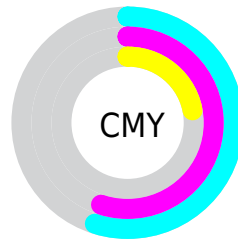


Cyan (41%)

Magenta (42%)

Yellow (0%)

Black (22%)



Cyan (55%)

Magenta (55%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4128, 19.8248, 56.0187 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 23.4128, 19.8248, 56.0187 by changing the saturation by 10% instead.

■ 23.4128, 19.8248,
56.0187

■ 23.4128, 19.8248,
56.0187

262.3341,
250.9651, 427.1523

■ 15.0210, 12.2678,
39.8138

■ 48.5319, 43.1233,
100.5180

■ 8.9205, 6.9263,
27.0807

■ 65.9900, 59.6335,
129.6495

■ 4.7461, 3.4161,
17.4009

■ 87.2008, 79.8968,
163.9269

■ 2.1323, 1.3526,
10.3558

■ 112.5298,
104.2978, 203.7688

■ 0.7067, 0.1814,
5.5268

142.3422,
133.2207, 249.5938

■ 0.0000, 0.0000,
2.4954

177.0035,

■ 0.0000, 0.0000,

167.0499, 301.8203

0.8377

216.8790,
206.1699, 360.8670

■ 0.0000, 0.0000,
0.0000

■ 23.4128, 19.8248,
56.0187

■ 23.4128, 19.8248,
56.0187

■ 19.1090, 14.6422,
55.2456

■ 28.7360, 26.2512,
56.9789

■ 15.7575, 10.6209,
54.6460

■ 35.1355, 33.9922,
58.1358

■ 13.2865, 7.6720,
54.2071

■ 42.6668, 43.1161,
59.5000

■ 11.6134, 5.6930,
53.9133

■ 51.3808, 53.6856,
61.0808

■ 10.6397, 4.5611,
53.7461

■ 61.3255, 65.7598,
62.8872

■ 10.2522, 4.1077,
53.6790

■ 72.5459, 79.3943,
64.9276

■ 85.0851, 94.6420,
67.2098

■ 87.1931, 96.8572,
67.5263

Harmonies

Analogous

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



18.2925, 19.8248, 61.5344



23.4128, 19.8248, 56.0187



27.9057, 19.8248, 40.1925

Triad

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



23.4128, 19.8248, 56.0187



24.5433, 19.8248, 5.9381



10.8849, 19.8248, 20.0327

Complementary

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



23.4128, 19.8248, 56.0187



45.9962, 53.3390, 23.7913

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.



11.9913, 19.8248, 9.8452



23.4128, 19.8248, 56.0187



19.4042, 19.8248, 4.2573

Square

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



23.4128, 19.8248, 56.0187



28.6342, 19.8248, 11.5710



14.9100, 19.8248, 5.2899



11.5847, 19.8248, 36.1620

Rectangle

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



23.4128, 19.8248, 56.0187



29.6343, 19.8248, 28.4792



14.9100, 19.8248, 5.2899



11.0523, 19.8248, 15.9056

Sweetspot

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



23.4136, 19.8255, 56.0192



74.4521, 75.0138, 105.1628



37.0085, 47.4062, 60.6263



15.2657, 15.2439, 22.3877



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.



23.4136, 19.8255, 56.0192



34.2868, 26.4676, 97.9094



30.1937, 23.3208, 56.3365



10.0797, 10.2993, 13.3742



6.6775, 2.6766, 34.9091



0.3245, 0.1310, 1.6533

Inverse Universe

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



39.2701, 28.0263, 55.5637



66.1222, 42.9365, 96.8154



36.6728, 48.5326, 23.3550



11.0718, 10.8121, 13.3612



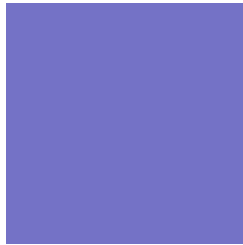
21.4302, 10.3217, 33.8051



1.0183, 0.4901, 1.6193

Previews

White Background



This preview shows how the XYZ color 23.4128, 19.8248, 56.0187 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 23.4128, 19.8248, 56.0187 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 23.4128, 19.8248, 56.0187

Background



This preview shows how black text looks on a background with the XYZ color 23.4128, 19.8248, 56.0187.

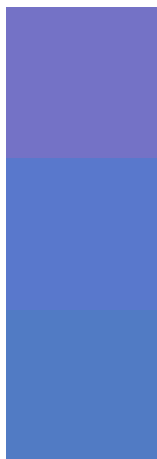


This preview shows how white text looks on a background with the XYZ color 23.4128, 19.8248,

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

23.4128, 19.8248, 56.0187

Protanopia

21.7354, 19.9164, 59.8254

Deuteranopia

20.4401, 19.9008, 54.9885



Tritanopia

17.4716, 19.7516, 26.5585

Trichromacy



Original Color

23.4128, 19.8248, 56.0187

Protanomaly

22.2847, 19.8738, 58.5386

Deuteranomaly

21.4106, 19.8438, 55.5251

Tritanomaly

19.1614, 19.4864, 35.5522

Monochromacy



Original Color

23.4128, 19.8248, 56.0187

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.1875, 19.7323, 32.0229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4128, 19.8248, 56.0187 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(116, 114, 198)` looks like.

```
.text, #text, p{  
    color:rgb(116, 114, 198)  
}
```

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(116, 114, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 114, 198) }
```

Border

The CSS property to change the border of an element to XYZ 23.4128, 19.8248, 56.0187 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(116, 114, 198) }
```


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

```
.border{ border-color:rgb(116, 114, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 114, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 114, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 114, 198);  
box-shadow:4px 4px 4px 4px rgb(116, 114,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4128, 19.8248, 56.0187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 114, 198) }
```

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

```
.background{ background-color: rgb(116,  
114, 198) }
```

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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