

Converting Colors

XYZ(23.6351, 20.6627, 48.0902)

Have a look what the booklet for
XYZ(23.6351, 20.6627, 48.0902)
contains.

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Color

**XYZ(23.6172, 20.6189,
48.0825)**

Conversions

Conversions Part 1

Format	Color
Hex	7E75B8
RGB	126, 117, 184
RGB Percent	49%, 46%, 72%
CMY	0.5059, 0.5412, 0.2784
CMYK	0.32, 0.36, 0.00, 0.28
HSL	248°, 32%, 59%
HSV	248°, 36%, 72%
XYZ	23.6172, 20.6189, 48.0825
YIQ	127.3290, -16.1430, 22.7450

Conversions

Conversions Part 2

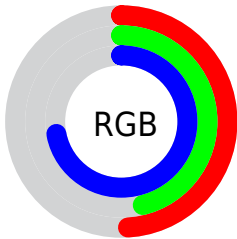
Format	Color
R _Y B	126, 117, 184
Decimal	8287672
CIE Lab	52.53, 18.95, -34.15
CIE LCh	53, 39.054, 299.032
Yxy	20.6189, 0.2558, 0.2233
Android (android.graphics.Color)	4286477752 (0xFF7E75B8)
YUV	127.3290, 27.9388, -1.1655
Hunter-Lab	45.4080, 13.3757, -30.9965

Details

The XYZ color **23.6172, 20.6189, 48.0825** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.0310, 44.6797, 23.4500**, and the grayscale version is **20.1974, 21.2492, 23.1404**.

A 20% lighter version of the original color is **48.7385, 44.3705, 88.4336**, and **9.0489, 7.3508, 22.4146** is the 20% darker color. If you saturate the color by 10%, you get **19.5157, 15.6290, 47.3359**, and if you desaturate by 10%, it is **28.5155, 26.6459, 48.9880**.

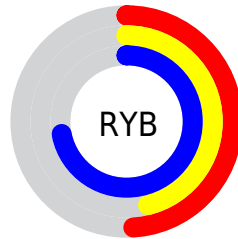
Distribution



Red (49%)

Green (46%)

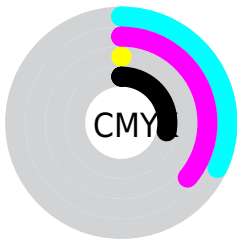
Blue (72%)



Red (49%)

Yellow (46%)

Blue (72%)

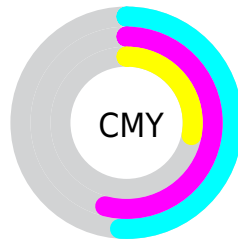


Cyan (32%)

Magenta (36%)

Yellow (0%)

Black (28%)



Cyan (51%)

Magenta (54%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6172, 20.6189, 48.0825 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 23.6172, 20.6189, 48.0825 by changing the saturation by 10% instead.

■ 23.6172, 20.6189,
48.0825

■ 23.6172, 20.6189,
48.0825

263.3560,
255.2462, 395.6372

■ 15.1731, 12.8457,
33.5318

■ 48.8640, 44.4524,
88.6941

■ 9.0281, 7.3224,
22.2597

■ 66.3975, 61.2815,
115.5920

■ 4.8168, 3.6645,
13.8477

■ 87.6914, 81.8981,
147.4427

■ 2.1738, 1.4877,
7.8773

113.1112,
106.6865, 184.6647

■ 0.7289, 0.2801,
3.9299

143.0222,
136.0311, 227.6767

■ 0.0000, 0.0000,
1.5870

177.7898,

■ 0.0000, 0.0000,

170.3163, 276.8970

0.2815

217.7792,
209.9265, 332.7443

■ 0.0000, 0.0000,
0.0000

■ 23.6172, 20.6189,
48.0825

■ 23.6172, 20.6189,
48.0825

■ 19.5157, 15.6290,
47.3359

■ 28.5155, 26.6459,
48.9880

■ 16.1664, 11.6151,
46.7377

■ 34.2477, 33.7617,
50.0594

■ 13.5234, 8.5134,
46.2783

■ 40.8512, 42.0173,
51.3048

■ 11.5352, 6.2514,
45.9464

■ 48.3604, 51.4599,
52.7317

■ 10.1425, 4.7453,
45.7292

■ 56.8079, 62.1340,
54.3467

■ 9.2716, 3.8866,
45.6093

■ 66.2247, 74.0817,
56.1566

■ 9.0458, 3.6638,
45.5782

■ 76.6402, 87.3433,
58.1674

■ 85.0763, 95.9440,
59.3828

■ 85.6518, 96.2407,
59.4098

Harmonies

Analogous

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



19.4666, 20.6189, 52.8759



23.6172, 20.6189, 48.0825



27.0470, 20.6189, 35.9643

Triad

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



23.6172, 20.6189, 48.0825



23.8757, 20.6189, 8.2608



12.8077, 20.6189, 22.0765

Complementary

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



23.6172, 20.6189, 48.0825



38.0310, 44.6797, 23.4500

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.



13.6595, 20.6189, 12.8332



23.6172, 20.6189, 48.0825



19.7293, 20.6189, 6.7375

Square

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



23.6172, 20.6189, 48.0825



27.2101, 20.6189, 13.2871



16.0622, 20.6189, 8.0692



13.5565, 20.6189, 35.0798

Rectangle

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



23.6172, 20.6189, 48.0825



28.2623, 20.6189, 26.9580



16.0622, 20.6189, 8.0692



12.9141, 20.6189, 18.4757

Sweetspot

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



23.6179, 20.6197, 48.0830



68.1398, 68.7622, 91.8857



31.3314, 37.9291, 51.0175



14.3456, 14.3938, 19.7438



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.



23.6179, 20.6197, 48.0830



36.5260, 29.7211, 86.0162



29.3978, 23.5993, 48.3535



8.6303, 8.7758, 11.3185



6.2698, 2.5434, 31.4135



0.2574, 0.1084, 1.1091

Inverse Universe

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



33.8668, 26.0088, 43.7930



58.0540, 41.0525, 76.4796



31.4331, 41.2784, 23.1412



9.3276, 9.1414, 11.0727



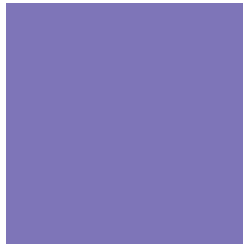
17.9723, 8.7627, 23.5385



0.6481, 0.3147, 0.9062

Previews

White Background



This preview shows how the XYZ color 23.6172, 20.6189, 48.0825 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 23.6172, 20.6189, 48.0825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

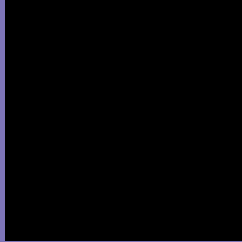
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6172, 20.6189, 48.0825

Background



This preview shows how black text looks on a background with the XYZ color 23.6172, 20.6189, 48.0825.



This preview shows how white text looks on a background with the XYZ color 23.6172, 20.6189,

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

23.6172, 20.6189, 48.0825

Protanopia

21.7478, 20.6648, 50.9866

Deuteranopia

21.1306, 20.6175, 47.1218



Tritanopia

19.3072, 20.6979, 26.6444

Trichromacy



Original Color

23.6172, 20.6189, 48.0825

Protanomaly

22.3626, 20.6421, 49.8194

Deuteranomaly

21.9402, 20.4731, 47.5951

Tritanomaly

20.6614, 20.4921, 33.4382

Monochromacy



Original Color

23.6172, 20.6189, 48.0825

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.1807, 20.8161, 30.9185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6172, 20.6189, 48.0825 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(126, 117, 184)` looks like.

```
.text, #text, p{  
    color:rgb(126, 117, 184)  
}
```

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(126, 117, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 117, 184) }
```

Border

The CSS property to change the border of an element to XYZ 23.6172, 20.6189, 48.0825 is called "border". The border property can be set on classes, ids or directly on the HTML element.

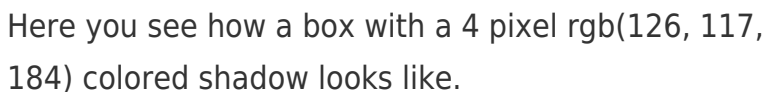
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(126, 117, 184) }
```


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

```
.border{ border-color:rgb(126, 117, 184) }
```

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



Here you see how a box with a 4 pixel `rgb(126, 117, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 117, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 117, 184); box-shadow:4px 4px 4px 4px rgb(126, 117, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6172, 20.6189, 48.0825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 117, 184) }
```

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

```
.background{ background-color: rgb(126,  
117, 184) }
```

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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