

Converting Colors

XYZ(23.6659, 19.7654, 49.5815)

Have a look what the booklet for
XYZ(23.6659, 19.7654, 49.5815)
contains.

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Color

**XYZ(23.6659, 19.7654,
49.5815)**

Conversions

Conversions Part 1

Format	Color
Hex	8070BB
RGB	128, 112, 187
RGB Percent	50%, 44%, 73%
CMY	0.4980, 0.5608, 0.2667
CMYK	0.32, 0.40, 0.00, 0.27
HSL	253°, 36%, 59%
HSV	253°, 40%, 73%
XYZ	23.6659, 19.7654, 49.5815
YIQ	125.3340, -14.5390, 26.7170

Conversions

Conversions Part 2

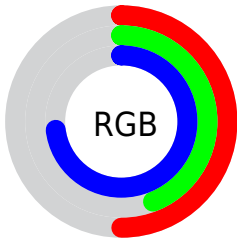
Format	Color
RYB	128, 112, 187
Decimal	8417467
CIELab	51.57, 23.30, -37.37
CIELCh	52, 44.037, 301.948
Yxy	19.7654, 0.2544, 0.2125
Android (android.graphics.Color)	4286607547 (0xFF8070BB)
YUV	125.3340, 30.4013, 2.3381
Hunter-Lab	44.4583, 17.2165, -35.0015

Details

The XYZ color **23.6659, 19.7654, 49.5815** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.4899, 45.3688, 22.1111**, and the grayscale version is **19.5103, 20.5264, 22.3532**.

A 20% lighter version of the original color is **49.1330, 43.1499, 91.3271**, and **9.0475, 6.8967, 23.0446** is the 20% darker color. If you saturate the color by 10%, you get **19.7583, 14.9999, 48.8680**, and if you desaturate by 10%, it is **28.3242, 25.5547, 50.4538**.

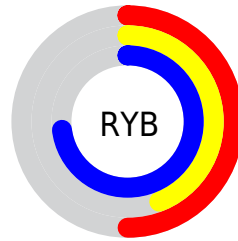
Distribution



Red (50%)

Green (44%)

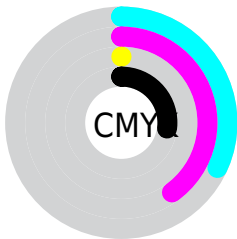
Blue (73%)



Red (50%)

Yellow (44%)

Blue (73%)

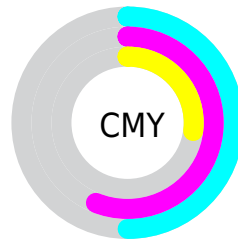


Cyan (32%)

Magenta (40%)

Yellow (0%)

Black (27%)



Cyan (50%)

Magenta (56%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6659, 19.7654, 49.5815 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 23.6659, 19.7654, 49.5815 by changing the saturation by 10% instead.

■ 23.6659, 19.7654,
49.5815

■ 23.6659, 19.7654,
49.5815

263.5989,
250.6422, 401.7152

■ 15.2094, 12.2246,
34.7121

■ 48.9431, 43.0235,
90.9444

■ 9.0537, 6.8969,
23.1594

■ 66.4945, 59.5096,
118.2750

■ 4.8336, 3.3977,
14.5049

■ 87.8082, 79.7463,
150.5965

■ 2.1837, 1.3427,
8.3299

■ 113.2495,
104.1180, 188.3273

■ 0.7341, 0.1739,
4.2160

143.1840,
133.0090, 231.8861

■ 0.0000, 0.0000,
1.7446

177.9768,

■ 0.0000, 0.0000,

166.8038, 281.6913

0.3910

217.9933,
205.8868, 338.1614

■ 0.0000, 0.0000,
0.0000

■ 23.6659, 19.7654,
49.5815

■ 23.6659, 19.7654,
49.5815

■ 19.7583, 14.9999,
48.8680

■ 28.3242, 25.5547,
50.4538

■ 16.5589, 11.1954,
48.3023

■ 33.7684, 32.4212,
51.4922

■ 14.0238, 8.2856,
47.8742

■ 40.0341, 40.4169,
52.7053

■ 12.1032, 6.1947,
47.5719

■ 47.1538, 49.5901,
54.1007

■ 10.7398, 4.8337,
47.3810

■ 55.1585, 59.9861,
55.6854

■ 9.8407, 4.0369,
47.2746

■ 64.0775, 71.6478,
57.4662

■ 73.9387, 84.6160,
59.4496

■ 82.6261, 94.6442,
60.9274

■ 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.



19.0776, 19.7654, 56.2865



23.6659, 19.7654, 49.5815



27.3549, 19.7654, 35.1592

Triad

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



23.6659, 19.7654, 49.5815



23.0856, 19.7654, 6.3693



11.4920, 19.7654, 22.3614

Complementary

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



23.6659, 19.7654, 49.5815



37.4899, 45.3688, 22.1111

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.



12.2249, 19.7654, 11.9635



23.6659, 19.7654, 49.5815



18.4983, 19.7654, 5.1844

Square

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



23.6659, 19.7654, 49.5815



26.9845, 19.7654, 11.0182



14.6285, 19.7654, 6.7448



12.4437, 19.7654, 37.1901

Rectangle

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



23.6659, 19.7654, 49.5815



28.5501, 19.7654, 25.1239



14.6285, 19.7654, 6.7448



11.5491, 19.7654, 18.2805

Sweetspot

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



23.6666, 19.7662, 49.5820



69.2326, 69.2243, 93.9141



30.4048, 36.5382, 52.4642



14.9130, 14.8182, 20.6168



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.



23.6666, 19.7662, 49.5820



36.2428, 27.8979, 87.6760



30.1776, 23.1227, 49.8867



9.2017, 9.3208, 11.9863



6.8310, 2.8076, 32.5748



0.3238, 0.1390, 1.2786

Inverse Universe

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



33.6388, 25.0940, 41.5990



56.7429, 38.8684, 70.4596



30.6069, 41.8205, 21.7889



9.8404, 9.6605, 11.5487



17.7818, 8.7439, 19.9425



0.7187, 0.3514, 0.8980

Previews

White Background



This preview shows how the XYZ color 23.6659, 19.7654, 49.5815 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 23.6659, 19.7654, 49.5815 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 23.6659, 19.7654, 49.5815

Background



This preview shows how black text looks on a background with the XYZ color 23.6659, 19.7654, 49.5815.



This preview shows how white text looks on a background with the XYZ color 23.6659, 19.7654,

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

23.6659, 19.7654, 49.5815

Protanopia

21.2943, 20.0027, 53.7775

Deuteranopia

20.3326, 19.8015, 48.6494



Tritanopia

18.6527, 19.6413, 24.9983

Trichromacy



Original Color

23.6659, 19.7654, 49.5815

Protanomaly

21.9458, 19.8443, 51.9639

Deuteranomaly

21.2852, 19.5662, 49.1092

Tritanomaly

20.2318, 19.5585, 32.8458

Monochromacy



Original Color

23.6659, 19.7654, 49.5815

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.6660, 20.0067, 30.7894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6659, 19.7654, 49.5815 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(128, 112, 187)` looks like.

```
.text, #text, p{  
    color:rgb(128, 112, 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(128, 112, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 112, 187) }
```

Border

The CSS property to change the border of an element to XYZ 23.6659, 19.7654, 49.5815 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(128, 112, 187) }
```


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

```
.border{ border-color:rgb(128, 112, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 112, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 112, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 112, 187);  
box-shadow:4px 4px 4px 4px rgb(128, 112,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6659, 19.7654, 49.5815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 112, 187) }
```

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

```
.background{ background-color: rgb(128,  
112, 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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