

Converting Colors

XYZ(23.4235, 19.4500, 59.6467)

Have a look what the booklet for
XYZ(23.4235, 19.4500, 59.6467)
contains.

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Color

**XYZ(23.3753, 19.3927,
59.6379)**

Conversions

Conversions Part 1

Format	Color
Hex	7070CC
RGB	112, 112, 204
RGB Percent	44%, 44%, 80%
CMY	0.5608, 0.5608, 0.2000
CMYK	0.45, 0.45, 0.00, 0.20
HSL	240°, 47%, 62%
HSV	240°, 45%, 80%
XYZ	23.3753, 19.3927, 59.6379
YIQ	122.4880, -29.5320, 28.6120

Conversions

Conversions Part 2

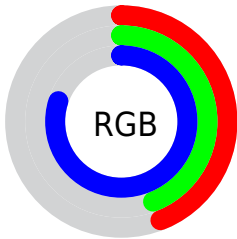
Format	Color
R _Y B	112, 112, 204
Decimal	7368908
CIE Lab	51.14, 23.85, -47.87
CIE LCh	51, 53.486, 296.484
Yxy	19.3927, 0.2283, 0.1894
Android (android.graphics.Color)	4285558988 (0xFF7070CC)
YUV	122.4880, 40.1854, -9.1980
Hunter-Lab	44.0371, 17.6844, -49.4683

Details

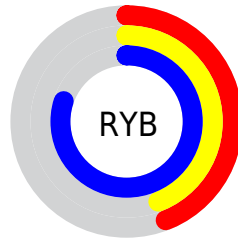
The XYZ color **23.3753, 19.3927, 59.6379** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **49.4192, 57.1931, 23.7644**, and the grayscale version is **18.5383, 19.5038, 21.2396**.

A 20% lighter version of the original color is **47.4739, 42.0957, 100.2309**, and **8.8891, 6.6775, 29.2541** is the 20% darker color. If you saturate the color by 10%, you get **19.0661, 14.2001, 58.8631**, and if you desaturate by 10%, it is **28.7839, 25.9095, 60.6111**.

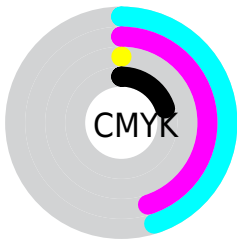
Distribution



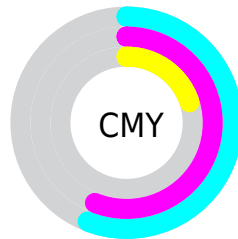
- Red (44%)
- Green (44%)
- Blue (80%)



- Red (44%)
- Yellow (44%)
- Blue (80%)



- Cyan (45%)
- Magenta (45%)
- Yellow (0%)
- Black (20%)



- Cyan (56%)
- Magenta (56%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3753, 19.3927, 59.6379 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 23.3753, 19.3927, 59.6379 by changing the saturation by 10% instead.

■ 23.3753, 19.3927,
59.6379

■ 23.3753, 19.3927,
59.6379

262.1463,
248.6082, 441.0293

■ 14.9931, 11.9544,
42.7035

■ 48.4710, 42.3966,
105.8424

■ 8.9008, 6.7126,
29.3228

■ 65.9151, 58.7310,
135.9496

■ 4.7331, 3.2830,
19.0775

■ 87.1107, 78.7995,
171.2848

■ 2.1247, 1.2812,
11.5489

■ 112.4229,
102.9866, 212.2665

■ 0.7026, 0.1266,
6.3185

142.2173,
131.6766, 259.3132

■ 0.0000, 0.0000,
2.9678

176.8590,

■ 0.0000, 0.0000,

165.2540, 312.8436

1.0782

216.7136,
204.1030, 373.2761

■ 0.0000, 0.0000,
0.0000

■ 23.3753, 19.3927,
59.6379

■ 23.3753, 19.3927,
59.6379

■ 19.0661, 14.2001,
58.8631

■ 28.7839, 25.9095,
60.6111

■ 15.7788, 10.2392,
58.2719

■ 35.3577, 33.8305,
61.7935

■ 13.4298, 7.4088,
57.8493

■ 43.1599, 43.2317,
63.1969

■ 11.9210, 5.5908,
57.5780

■ 52.2486, 54.1831,
64.8317

■ 11.1330, 4.6413,
57.4362

■ 62.6783, 66.7503,
66.7077

■ 10.8992, 4.3597,
57.3942

■ 74.5002, 80.9950,
68.8342

■ 87.7629, 96.9758,
71.2197

■ 87.8992, 97.1397,
71.2442

Harmonies

Analogous

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



17.8125, 19.3927, 65.8698



23.3753, 19.3927, 59.6379



28.3325, 19.3927, 41.7496

Triad

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



23.3753, 19.3927, 59.6379



24.6705, 19.3927, 4.9068



9.9979, 19.3927, 19.3707

Complementary

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



23.3753, 19.3927, 59.6379



49.4192, 57.1931, 23.7644

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.



11.1574, 19.3927, 8.7269



23.3753, 19.3927, 59.6379



19.0661, 19.3927, 3.3036

Square

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



23.3753, 19.3927, 59.6379



29.1756, 19.3927, 10.5682



14.2402, 19.3927, 4.2591



10.7149, 19.3927, 37.0407

Rectangle

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



23.3753, 19.3927, 59.6379



30.2609, 19.3927, 28.7211



14.2402, 19.3927, 4.2591



10.1744, 19.3927, 14.9870

Sweetspot

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



23.3761, 19.3934, 59.6384



72.7639, 73.1465, 104.8914



39.1745, 50.9906, 64.9046



14.9226, 14.8709, 22.3338



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.



23.3761, 19.3934, 59.6384



31.8232, 23.8155, 97.5273



30.7943, 23.2176, 59.9855



10.6018, 10.8440, 14.1047



6.8601, 2.7440, 36.1244



0.3539, 0.1416, 1.8636

Inverse Universe

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



41.5953, 28.7857, 60.4898



65.6858, 41.2724, 99.1096



38.6185, 51.6251, 23.2590



11.6876, 11.4038, 14.1555



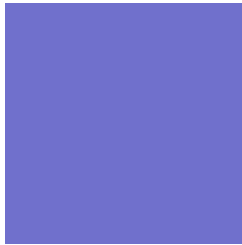
22.5332, 10.8239, 36.8561



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 23.3753, 19.3927, 59.6379 looks on a white background.

Color Contrast Check

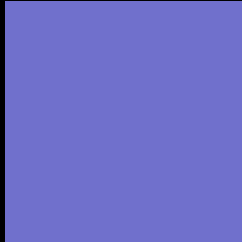
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3753, 19.3927, 59.6379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

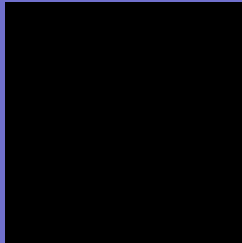
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3753, 19.3927, 59.6379

Background



This preview shows how black text looks on a background with the XYZ color 23.3753, 19.3927, 59.6379.



This preview shows how white text looks on a background with the XYZ color 23.3753, 19.3927,

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

23.3753, 19.3927, 59.6379

Protanopia

21.6230, 19.5961, 63.6155

Deuteranopia

20.0744, 19.4485, 58.5730



Tritanopia

16.7208, 19.3646, 26.5234

Trichromacy



Original Color

23.3753, 19.3927, 59.6379

Protanomaly

22.0442, 19.3202, 62.2418

Deuteranomaly

21.0042, 19.2000, 59.0988

Tritanomaly

18.7594, 19.2590, 36.4468

Monochromacy



Original Color

23.3753, 19.3927, 59.6379

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.6171, 19.0754, 32.3538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3753, 19.3927, 59.6379 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(112, 112, 204)` looks like.

```
.text, #text, p{  
    color:rgb(112, 112, 204)  
}
```

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(112, 112, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 112, 204) }
```

Border

The CSS property to change the border of an element to XYZ 23.3753, 19.3927, 59.6379 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(112, 112, 204) }
```


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

```
.border{ border-color:rgb(112, 112, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 112, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 112, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 112, 204);  
box-shadow:4px 4px 4px 4px rgb(112, 112,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3753, 19.3927, 59.6379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 112, 204) }
```

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

```
.background{ background-color: rgb(112,  
112, 204) }
```

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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