

Converting Colors

XYZ(23.1468, 19.3161, 57.7667)

Have a look what the booklet for
XYZ(23.1468, 19.3161, 57.7667)
contains.

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Color

**XYZ(23.1468, 19.3161,
57.7667)**

Conversions

Conversions Part 1

Format	Color
Hex	7170C9
RGB	113, 112, 201
RGB Percent	44%, 44%, 79%
CMY	0.5568, 0.5608, 0.2118
CMYK	0.44, 0.44, 0.00, 0.21
HSL	241°, 45%, 61%
HSV	241°, 44%, 79%
XYZ	23.1468, 19.3161, 57.7667
YIQ	122.4450, -27.9730, 27.8910

Conversions

Conversions Part 2

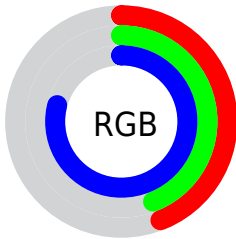
Format	Color
R_{YB}	113, 112, 201
Decimal	7434441
CIE _{Lab}	51.05, 23.21, -46.30
CIE _{LCh}	51, 51.788, 296.625
Yxy	19.3161, 0.2309, 0.1927
Android (android.graphics.Color)	4285624521 (0xFF7170C9)
YUV	122.4450, 38.7276, -8.2833
Hunter-Lab	43.9501, 17.0964, -47.1640

Details

The XYZ color **23.1468, 19.3161, 57.7667** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **47.6306, 55.2226, 23.4784**, and the grayscale version is **18.5285, 19.4935, 21.2284**.

A 20% lighter version of the original color is **47.6876, 42.2059, 100.2409**, and **8.7090, 6.6120, 28.0113** is the 20% darker color. If you saturate the color by 10%, you get **18.8887, 14.1883, 57.0017**, and if you desaturate by 10%, it is **28.4613, 25.7238, 58.7238**.

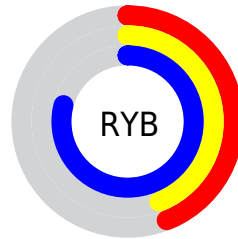
Distribution



Red (44%)

Green (44%)

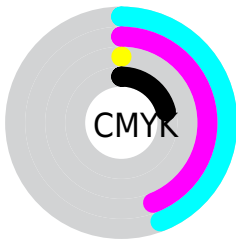
Blue (79%)



Red (44%)

Yellow (44%)

Blue (79%)

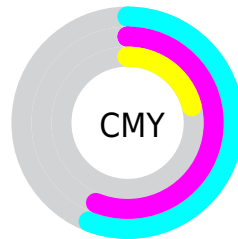


Cyan (44%)

Magenta (44%)

Yellow (0%)

Black (21%)



Cyan (56%)

Magenta (56%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1468, 19.3161, 57.7667 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 23.1468, 19.3161, 57.7667 by changing the saturation by 10% instead.

■ 23.1468, 19.3161,
57.7667

■ 23.1468, 19.3161,
57.7667

260.9994,
248.1883, 433.8900

■ 14.8232, 11.8989,
41.2077

■ 48.0991, 42.2676,
103.0945

■ 8.7809, 6.6749,
28.1605

■ 65.4586, 58.5706,
132.7003

■ 4.6545, 3.2596,
18.2066

■ 86.5608, 78.6044,
167.4921

■ 2.0787, 1.2687,
10.9274

■ 111.7710,
102.7533, 207.8884

■ 0.6776, 0.1168,
5.9045

141.4546,
131.4018, 254.3078

■ 0.0000, 0.0000,
2.7192

175.9770,

■ 0.0000, 0.0000,

164.9342, 307.1689

0.9531

215.7034,
203.7349, 366.8901

■ 0.0000, 0.0000,
0.0000

■ 23.1468, 19.3161,
57.7667

■ 23.1468, 19.3161,
57.7667

■ 18.8887, 14.1883,
57.0017

■ 28.4613, 25.7238,
58.7238

■ 15.6143, 10.2527,
56.4147

■ 34.8937, 33.4873,
59.8833

■ 13.2458, 7.4138,
55.9915

■ 42.5035, 42.6788,
61.2563

■ 11.6921, 5.5606,
55.7157

■ 51.3455, 53.3649,
62.8529

■ 10.8437, 4.5586,
55.5670

■ 61.4709, 65.6080,
64.6824

■ 10.5710, 4.2317,
55.5183

■ 72.9279, 79.4670,
66.7536

■ 85.7625, 94.9977,
69.0749

■ 87.5427, 96.9971,
69.3670

Harmonies

Analogous

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



17.7846, 19.3161, 63.7439



23.1468, 19.3161, 57.7667



27.8954, 19.3161, 40.7261

Triad

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



23.1468, 19.3161, 57.7667



24.3410, 19.3161, 5.1575



10.1647, 19.3161, 19.4117

Complementary

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



23.1468, 19.3161, 57.7667



47.6306, 55.2226, 23.4784

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.



11.2896, 19.3161, 9.0005



23.1468, 19.3161, 57.7667



18.9464, 19.3161, 3.5535

Square

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



23.1468, 19.3161, 57.7667



28.6703, 19.3161, 10.7381



14.2822, 19.3161, 4.5328



10.8748, 19.3161, 36.4114

Rectangle

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



23.1468, 19.3161, 57.7667



29.7315, 19.3161, 28.2706



14.2822, 19.3161, 4.5328



10.3346, 19.3161, 15.1481

Sweetspot

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



23.1476, 19.3168, 57.7672



74.3240, 74.9478, 105.1568



38.1118, 49.4355, 62.7920



15.2347, 15.2279, 22.3863



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.



23.1476, 19.3168, 57.7672



32.6857, 24.7087, 97.6543



30.1446, 22.9239, 58.0946



10.0675, 10.2931, 13.3736



6.6518, 2.6634, 34.9079



0.3189, 0.1281, 1.6531

Inverse Universe

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



40.3071, 28.1764, 57.9571



65.7445, 41.7793, 97.9281



37.6190, 50.0615, 23.0099



11.0778, 10.8145, 13.3928



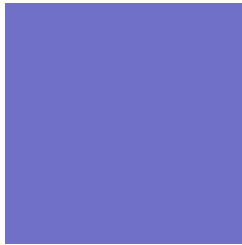
21.6104, 10.3937, 34.7536



1.0249, 0.4928, 1.6545

Previews

White Background



This preview shows how the XYZ color 23.1468, 19.3161, 57.7667 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 23.1468, 19.3161, 57.7667 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 23.1468, 19.3161, 57.7667

Background



This preview shows how black text looks on a background with the XYZ color 23.1468, 19.3161, 57.7667.



This preview shows how white text looks on a background with the XYZ color 23.1468, 19.3161,

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

23.1468, 19.3161, 57.7667

Protanopia

21.4266, 19.5376, 61.6733

Deuteranopia

20.0160, 19.4591, 56.7338



Tritanopia

16.8001, 19.2146, 26.4902

Trichromacy



Original Color

23.1468, 19.3161, 57.7667

Protanomaly

21.8809, 19.2782, 60.3254

Deuteranomaly

20.9283, 19.2017, 57.2468

Tritanomaly

18.6620, 19.0376, 35.9487

Monochromacy



Original Color

23.1468, 19.3161, 57.7667

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.6721, 19.1132, 31.9305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1468, 19.3161, 57.7667 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(113, 112, 201)` looks like.

```
.text, #text, p{  
    color:rgb(113, 112, 201)  
}
```

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(113, 112, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 112, 201) }
```

Border

The CSS property to change the border of an element to XYZ 23.1468, 19.3161, 57.7667 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(113, 112, 201) }
```


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

```
.border{ border-color:rgb(113, 112, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 112, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 112, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 112, 201);  
box-shadow:4px 4px 4px 4px rgb(113, 112,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1468, 19.3161, 57.7667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 112, 201) }
```

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

```
.background{ background-color: rgb(113,  
112, 201) }
```

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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