

Converting Colors

XYZ(23.1332, 18.7966, 78.5738)

Have a look what the booklet for
XYZ(23.1332, 18.7966, 78.5738)
contains.

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Color

**XYZ(23.1837, 18.8704,
78.7644)**

Conversions

Conversions Part 1

Format	Color
Hex	4A70E8
RGB	74, 112, 232
RGB Percent	29%, 44%, 91%
CMY	0.7098, 0.5608, 0.0902
CMYK	0.68, 0.52, 0.00, 0.09
HSL	226°, 77%, 60%
HSV	226°, 68%, 91%
XYZ	23.1837, 18.8704, 78.7644
YIQ	114.3180, -61.1680, 29.2640

Conversions

Conversions Part 2

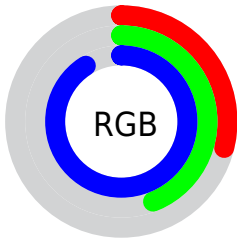
Format	Color
R _Y B	74, 105, 232
Decimal	4878568
CIE Lab	50.54, 25.62, -64.82
CIE LCh	51, 69.698, 291.562
Yxy	18.8704, 0.1919, 0.1562
Android (android.graphics.Color)	4283068648 (0xFF4A70E8)
YUV	114.3180, 58.0172, -35.3589
Hunter-Lab	43.4401, 19.2442, -77.0950

Details

The XYZ color **23.1837, 18.8704, 78.7644** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **53.8092, 56.2383, 14.4993**, and the grayscale version is **15.9351, 16.7650, 18.2570**.

A 20% lighter version of the original color is **41.7947, 38.9034, 99.9140**, and **9.6282, 6.8757, 41.3771** is the 20% darker color. If you saturate the color by 10%, you get **19.9578, 14.5981, 78.1103**, and if you desaturate by 10%, it is **27.4501, 24.2440, 79.5772**.

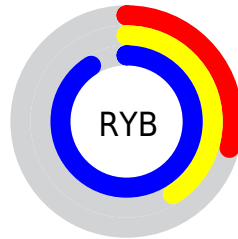
Distribution



Red (29%)

Green (44%)

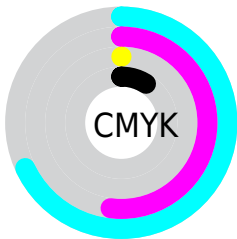
Blue (91%)



Red (29%)

Yellow (41%)

Blue (91%)

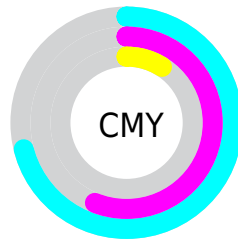


Cyan (68%)

Magenta (52%)

Yellow (0%)

Black (9%)



Cyan (71%)

Magenta (56%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1837, 18.8704, 78.7644 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 23.1837, 18.8704, 78.7644 by changing the saturation by 10% instead.

■ 23.1837, 18.8704,
78.7644

■ 23.1837, 18.8704,
78.7644

261.1849,
245.7324, 510.3555

■ 14.8506, 11.5767,
58.1819

■ 48.1592, 41.5150,
133.4228

■ 8.8003, 6.4561,
41.5393

■ 65.5324, 57.6346,
168.3358

■ 4.6672, 3.1244,
28.4178

■ 86.6497, 77.4651,
208.8628

■ 2.0861, 1.1970,
18.3991

■ 111.8764,
101.3906, 255.4222

■ 0.6816, 0.0593,
11.0645

141.5779,
129.7957, 308.4326

■ 0.0000, 0.0000,
5.9955

176.1196,

■ 0.0000, 0.0000,

163.0648, 368.3126

2.7736

215.8668,
201.5822, 435.4807

■ 0.0000, 0.0000,
0.9802

■ 0.0000, 0.0000,
0.0000

■ 23.1837, 18.8704,
78.7644

■ 23.1837, 18.8704,
78.7644

■ 19.9578, 14.5981,
78.1103

■ 27.4501, 24.2440,
79.5772

■ 17.6708, 11.3416,
77.6022

■ 32.8398, 30.7918,
80.5570

■ 16.1918, 8.9967,
77.2276

■ 39.4298, 38.5819,
81.7133

■ 15.9695, 8.6340,
77.1693

■ 47.2894, 47.6762,
83.0544

■ 56.4823, 58.1328,
84.5882

■ 67.0681, 70.0058,
86.3220

■ 79.1025, 83.3464,
88.2627

■ 90.9217, 97.3185,
90.3367

■ 91.5656, 98.6062,
90.5513

Harmonies

Analogous

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



16.0846, 18.8704, 84.3168



23.1837, 18.8704, 78.7644



30.2522, 18.8704, 53.7292

Triad

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



23.1837, 18.8704, 78.7644



27.3551, 18.8704, 2.9578



7.8610, 18.8704, 15.5268

Complementary

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



23.1837, 18.8704, 78.7644



53.8092, 56.2383, 14.4993

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.



9.5190, 18.8704, 4.9514



23.1837, 18.8704, 78.7644



19.9237, 18.8704, 1.3052

Square

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



23.1837, 18.8704, 78.7644



33.0533, 18.8704, 9.6275



13.5463, 18.8704, 1.6906



8.3158, 18.8704, 37.6126

Rectangle

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



23.1837, 18.8704, 78.7644



33.4212, 18.8704, 34.8131



13.5463, 18.8704, 1.6906



8.1706, 18.8704, 10.8323

Sweetspot

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



23.1846, 18.8709, 78.7649



67.5753, 69.3043, 104.4232



41.2518, 62.9979, 60.1474



13.7589, 14.0340, 22.2336



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.



23.1846, 18.8709, 78.7649



23.3716, 16.1973, 96.5023



23.8905, 14.2695, 77.8395



13.8628, 14.4471, 18.2022



8.9473, 4.9566, 42.8683



0.7322, 0.5084, 3.1915

Inverse Universe

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



38.6530, 23.2246, 17.7750



44.3328, 24.0541, 13.4164



51.9589, 69.4804, 17.1528



14.5183, 14.4245, 15.6640



18.9097, 9.6981, 3.1533



1.4332, 0.7310, 0.4219

Previews

White Background



This preview shows how the XYZ color 23.1837, 18.8704, 78.7644 looks on a white background.

Color Contrast Check

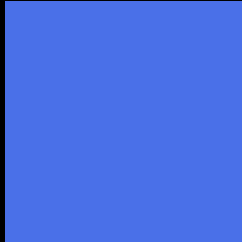
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1837, 18.8704, 78.7644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

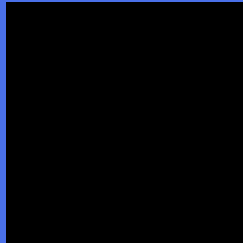
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1837, 18.8704, 78.7644

Background



This preview shows how black text looks on a background with the XYZ color 23.1837, 18.8704, 78.7644.



This preview shows how white text looks on a background with the XYZ color 23.1837, 18.8704,

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

23.1837, 18.8704, 78.7644

Protanopia

22.2673, 18.8312, 81.8180

Deuteranopia

18.9698, 18.7232, 65.5649



Tritanopia

13.3455, 18.7582, 28.9039

Trichromacy



Original Color

23.1837, 18.8704, 78.7644

Protanomaly

22.5340, 18.8171, 81.0416

Deuteranomaly

19.8487, 18.3572, 70.2073

Tritanomaly

15.5235, 17.9954, 43.2127

Monochromacy



Original Color

23.1837, 18.8704, 78.7644

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.1365, 16.8972, 34.2566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1837, 18.8704, 78.7644 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(74, 112, 232)` looks like.

```
.text, #text, p{  
    color:rgb(74, 112, 232)  
}
```

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(74, 112, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 112, 232) }
```

Border

The CSS property to change the border of an element to XYZ 23.1837, 18.8704, 78.7644 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(74, 112, 232) }
```


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

```
.border{ border-color:rgb(74, 112, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 112, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 112, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 112, 232);  
box-shadow:4px 4px 4px 4px rgb(74, 112,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1837, 18.8704, 78.7644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 112, 232) }
```

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

```
.background{ background-color: rgb(74, 112,  
232) }
```

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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