

Converting Colors

XYZ(23.9517, 23.9703, 61.6738)

Have a look what the booklet for
XYZ(23.9517, 23.9703, 61.6738)
contains.

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Color

**XYZ(23.9244, 23.9080,
61.7463)**

Conversions

Conversions Part 1

Format	Color
Hex	5987CE
RGB	89, 135, 206
RGB Percent	35%, 53%, 81%
CMY	0.6510, 0.4706, 0.1922
CMYK	0.57, 0.34, 0.00, 0.19
HSL	216°, 54%, 58%
HSV	216°, 57%, 81%
XYZ	23.9244, 23.9080, 61.7463
YIQ	129.3400, -50.2070, 12.3290

Conversions

Conversions Part 2

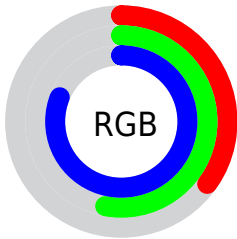
Format	Color
R _{YB}	89, 122, 206
Decimal	5867470
CIE Lab	56.00, 5.37, -41.41
CIE LCh	56, 41.761, 277.390
Yxy	23.9080, 0.2183, 0.2182
Android (android.graphics.Color)	4284057550 (0xFF5987CE)
YUV	129.3400, 37.7934, -35.3782
Hunter-Lab	48.8958, 1.7712, -40.6452

Details

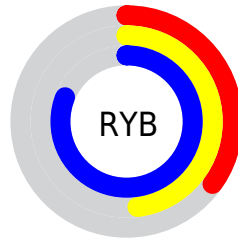
The XYZ color **23.9244, 23.9080, 61.7463** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **39.8290, 38.9868, 14.8786**, and the grayscale version is **20.8705, 21.9574, 23.9116**.

A 20% lighter version of the original color is **48.0658, 49.3895, 101.6075**, and **9.1823, 9.0284, 30.5369** is the 20% darker color. If you saturate the color by 10%, you get **20.5741, 19.7421, 61.1193**, and if you desaturate by 10%, it is **28.0343, 28.7703, 62.4687**.

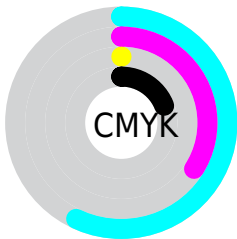
Distribution



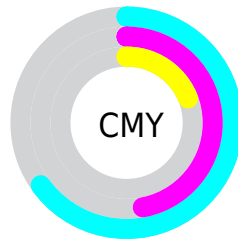
- Red (35%)
- Green (53%)
- Blue (81%)



- Red (35%)
- Yellow (48%)
- Blue (81%)



- Cyan (57%)
- Magenta (34%)
- Yellow (0%)
- Black (19%)



- Cyan (65%)
- Magenta (47%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9244, 23.9080, 61.7463 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 23.9244, 23.9080, 61.7463 by changing the saturation by 10% instead.

■ 23.9244, 23.9080,
61.7463

■ 23.9244, 23.9080,
61.7463

264.8856,
272.3550, 448.9872

■ 15.4020, 15.2654,
44.3933

■ 49.3624, 49.8800,
108.9268

■ 9.1901, 9.0059,
30.6403

■ 67.0086, 67.9782,
139.5914

■ 4.9235, 4.7450,
20.0690

■ 88.4269, 89.9971,
175.5302

■ 2.2367, 2.0984,
12.2606

■ 113.9825,
116.3210, 217.1618

■ 0.7620, 0.6637,
6.7967

144.0409,
147.3344, 264.9048

■ 0.0000, 0.0000,
3.2588

178.9672,

■ 0.0000, 0.0000,

183.4216, 319.1777

1.2282

219.1270,
224.9670, 380.3989

■ 0.0000, 0.0000,
0.0019

■ 0.0000, 0.0000,
0.0000

■ 23.9244, 23.9080,
61.7463

■ 23.9244, 23.9080,
61.7463

■ 20.5741, 19.7421,
61.1193

■ 28.0343, 28.7703,
62.4687

■ 17.9263, 16.2316,
60.5812

■ 32.9498, 34.3615,
63.2888

■ 15.9190, 13.3337,
60.1277

■ 38.7162, 40.7150,
64.2112

■ 14.4716, 10.9953,
59.7526

■ 45.3744, 47.8608,
65.2396

■ 14.0822, 10.3393,
59.6465

■ 52.9625, 55.8274,
66.3774

■ 61.5163, 64.6416,
67.6279

■ 71.0697, 74.3292,
68.9942

■ 81.6550, 84.9144,
70.4795

■ 85.7988, 92.5524,
71.7354

Harmonies

Analogous

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



19.3763, 23.9080, 58.5982



23.9244, 23.9080, 61.7463



28.7622, 23.9080, 52.9832

Triad

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



23.9244, 23.9080, 61.7463



30.8197, 23.9080, 13.1149



15.2635, 23.9080, 17.1811

Complementary

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



23.9244, 23.9080, 61.7463



39.8290, 38.9868, 14.8786

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.



17.5959, 23.9080, 10.2397



23.9244, 23.9080, 61.7463



26.4364, 23.9080, 8.5305

Square

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



23.9244, 23.9080, 61.7463



33.0896, 23.9080, 22.7964



21.5641, 23.9080, 7.7028



14.7863, 23.9080, 29.5596

Rectangle

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



23.9244, 23.9080, 61.7463



31.3606, 23.9080, 42.9130



21.5641, 23.9080, 7.7028



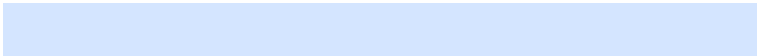
15.8390, 23.9080, 14.2847

Sweetspot

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



23.9253, 23.9088, 61.7469



73.0349, 77.0338, 105.6274



32.4676, 48.7774, 40.5971



15.1399, 15.9640, 22.5334



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.



23.9253, 23.9088, 61.7469



32.3648, 30.7355, 98.8345



20.0475, 14.3518, 60.1066



10.9575, 11.5555, 14.2233



8.7597, 6.5434, 36.7576



0.5253, 0.4843, 1.9207

Inverse Universe

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



33.4000, 22.0170, 25.4116



49.7138, 29.4291, 31.8176



46.2005, 56.3736, 17.8987



11.3919, 11.2855, 12.5984



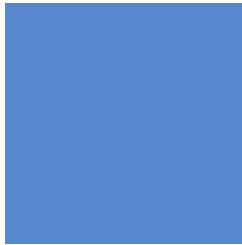
16.6324, 8.4635, 5.7828



0.8951, 0.4514, 0.4933

Previews

White Background



This preview shows how the XYZ color 23.9244, 23.9080, 61.7463 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 23.9244, 23.9080, 61.7463 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

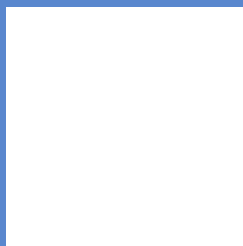
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.9244, 23.9080, 61.7463

Background



This preview shows how black text looks on a background with the XYZ color 23.9244, 23.9080, 61.7463.

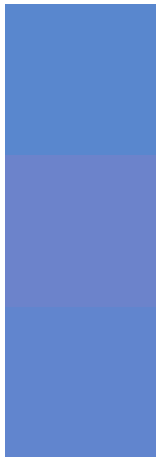


This preview shows how white text looks on a background with the XYZ color 23.9244, 23.9080,

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

23.9244, 23.9080, 61.7463

Protanopia

25.0801, 23.7325, 59.7589

Deuteranopia

24.4579, 23.7727, 61.6920



Tritanopia

18.6654, 23.9503, 35.5374

Trichromacy



Original Color

23.9244, 23.9080, 61.7463

Protanomaly

24.5172, 23.6289, 60.3954

Deuteranomaly

24.2818, 23.8861, 61.7232

Tritanomaly

20.2432, 23.6814, 44.0615

Monochromacy



Original Color

23.9244, 23.9080, 61.7463

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.1415, 22.2443, 35.0776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9244, 23.9080, 61.7463 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(89, 135, 206)` looks like.

```
.text, #text, p{  
    color:rgb(89, 135, 206)  
}
```

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(89, 135, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 135, 206) }
```

Border

The CSS property to change the border of an element to XYZ 23.9244, 23.9080, 61.7463 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(89, 135, 206) }
```


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

```
.border{ border-color:rgb(89, 135, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 135, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 135, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 135, 206);  
box-shadow:4px 4px 4px 4px rgb(89, 135,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9244, 23.9080, 61.7463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 135, 206) }
```

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

```
.background{ background-color: rgb(89, 135,  
206) }
```

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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