

Converting Colors

XYZ(23.8101, 19.8062, 61.3220)

Have a look what the booklet for
XYZ(23.8101, 19.8062, 61.3220)
contains.

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Color

**XYZ(23.8497, 19.7600,
61.5885)**

Conversions

Conversions Part 1

Format	Color
Hex	7071CF
RGB	112, 113, 207
RGB Percent	44%, 44%, 81%
CMY	0.5608, 0.5569, 0.1882
CMYK	0.46, 0.45, 0.00, 0.19
HSL	239°, 50%, 63%
HSV	239°, 46%, 81%
XYZ	23.8497, 19.7600, 61.5885
YIQ	123.4170, -30.7700, 29.0220

Conversions

Conversions Part 2

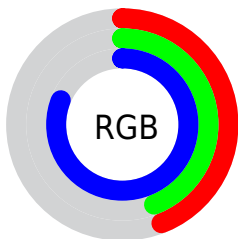
Format	Color
R_{YB}	112, 113, 207
Decimal	7369167
CIE _{Lab}	51.56, 24.14, -48.91
CIE _{LCh}	52, 54.545, 296.269
Yxy	19.7600, 0.2267, 0.1878
Android (android.graphics.Color)	4285559247 (0xFF7071CF)
YUV	123.4170, 41.2064, -10.0127
Hunter-Lab	44.4522, 17.9782, -51.0297

Details

The XYZ color **23.8497, 19.7600, 61.5885** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **50.7292, 58.5795, 23.9637**, and the grayscale version is **18.8405, 19.8216, 21.5858**.

A 20% lighter version of the original color is **47.6536, 42.4551, 100.2908**, and **9.1333, 6.8598, 30.5485** is the 20% darker color. If you saturate the color by 10%, you get **19.4793, 14.4892, 60.8019**, and if you desaturate by 10%, it is **29.3428, 26.3755, 62.5763**.

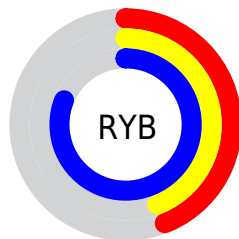
Distribution



Red (44%)

Green (44%)

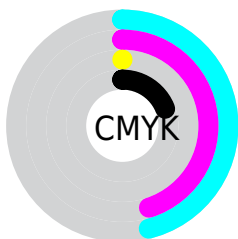
Blue (81%)



Red (44%)

Yellow (44%)

Blue (81%)

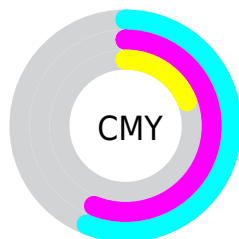


Cyan (46%)

Magenta (45%)

Yellow (0%)

Black (19%)



Cyan (56%)

Magenta (56%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8497, 19.7600, 61.5885 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 23.8497, 19.7600, 61.5885 by changing the saturation by 10% instead.

■ 23.8497, 19.7600,
61.5885

■ 23.8497, 19.7600,
61.5885

264.5143,
250.6129, 448.3946

■ 15.3463, 12.2207,
44.2666

■ 49.2413, 43.0144,
108.6964

■ 9.1507, 6.8942,
30.5415

■ 66.8602, 59.4984,
139.3195

■ 4.8975, 3.3960,
19.9944

■ 88.2483, 79.7326,
175.2135

■ 2.2214, 1.3418,
12.2069

■ 113.7709,
104.1017, 216.7968

■ 0.7540, 0.1732,
6.7605

143.7935,
132.9898, 264.4880

■ 0.0000, 0.0000,
3.2366

178.6814,

■ 0.0000, 0.0000,

166.7814, 318.7057

1.2167

218.7999,
205.8610, 379.8684

■ 0.0000, 0.0000,
0.0000

■ 23.8497, 19.7600,
61.5885

■ 23.8497, 19.7600,
61.5885

■ 19.4793, 14.4892,
60.8019

■ 29.3428, 26.3755,
62.5763

■ 16.1519, 10.4691,
60.2013

■ 36.0261, 34.4171,
63.7762

■ 13.7814, 7.5970,
59.7719

■ 43.9645, 43.9619,
65.2002

■ 12.2669, 5.7529,
59.4957

■ 53.2177, 55.0811,
66.8587

■ 11.4840, 4.7899,
59.3511

■ 63.8416, 67.8412,
68.7617

■ 11.2861, 4.5522,
59.3157

■ 75.8887, 82.3051,
70.9186

■ 88.2626, 97.2850,
73.1578

Harmonies

Analogous

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



18.1029, 19.7600, 67.9598



23.8497, 19.7600, 61.5885



28.9956, 19.7600, 43.0394

Triad

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



23.8497, 19.7600, 61.5885



25.2718, 19.7600, 4.8978



10.0963, 19.7600, 19.6080

Complementary

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



23.8497, 19.7600, 61.5885



50.7292, 58.5795, 23.9637

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.



11.3010, 19.7600, 8.7182



23.8497, 19.7600, 61.5885



19.4764, 19.7600, 3.2534

Square

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



23.8497, 19.7600, 61.5885



29.9226, 19.7600, 10.7197



14.4872, 19.7600, 4.2006



10.8186, 19.7600, 37.8549

Rectangle

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



23.8497, 19.7600, 61.5885



31.0108, 19.7600, 29.5158



14.4872, 19.7600, 4.2006



10.2820, 19.7600, 15.1093

Sweetspot

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



23.8505, 19.7607, 61.5890



72.8617, 73.3425, 104.9240



40.0655, 52.4989, 66.0437



14.9460, 14.9177, 22.3416



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.



23.8505, 19.7607, 61.5890



31.3585, 23.3901, 97.4697



31.1418, 23.3552, 61.8985



11.1735, 11.4373, 14.8624



7.1151, 2.8767, 37.3727



0.4014, 0.1680, 2.0908

Inverse Universe

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



34.5077, 26.0470, 18.8321



50.5076, 34.7307, 20.6326



39.9530, 53.3818, 23.5284



11.8137, 11.8102, 12.2949



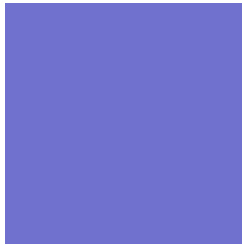
16.2221, 8.3617, 0.8097



0.9088, 0.4683, 0.0548

Previews

White Background



This preview shows how the XYZ color 23.8497, 19.7600, 61.5885 looks on a white background.

Color Contrast Check

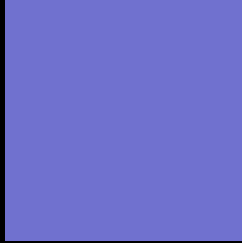
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8497, 19.7600, 61.5885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

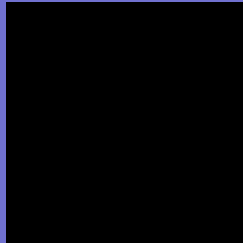
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8497, 19.7600, 61.5885

Background



This preview shows how black text looks on a background with the XYZ color 23.8497, 19.7600, 61.5885.



This preview shows how white text looks on a background with the XYZ color 23.8497, 19.7600,

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

23.8497, 19.7600, 61.5885

Protanopia

22.1201, 19.9864, 65.6427

Deuteranopia

20.6110, 20.0520, 60.5417



Tritanopia

16.8936, 19.6296, 27.3246

Trichromacy



Original Color

23.8497, 19.7600, 61.5885

Protanomaly

22.5328, 19.7010, 64.2431

Deuteranomaly

21.5132, 19.7740, 61.0754

Tritanomaly

19.0393, 19.5556, 37.8931

Monochromacy



Original Color

23.8497, 19.7600, 61.5885

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.0373, 19.4487, 33.2697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8497, 19.7600, 61.5885 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, 113, 207)` looks like.

```
.text, #text, p{  
    color:rgb(112, 113, 207)  
}
```

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, 113, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 113, 207) }
```

Border

The CSS property to change the border of an element to XYZ 23.8497, 19.7600, 61.5885 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, 113, 207) }
```


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

```
.border{ border-color:rgb(112, 113, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 113, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 113, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 113, 207);  
box-shadow:4px 4px 4px 4px rgb(112, 113,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8497, 19.7600, 61.5885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 113, 207) }
```

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

```
.background{ background-color: rgb(112,  
113, 207) }
```

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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