

Converting Colors

XYZ(23.3500, 19.1217, 73.6742)

Have a look what the booklet for
XYZ(23.3500, 19.1217, 73.6742)
contains.

XYZ(23.3153, 19.0508, 73.6825)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.3153, 19.0508,
73.6825)**

Conversions

Conversions Part 1

Format	Color
Hex	5770E1
RGB	87, 112, 225
RGB Percent	34%, 44%, 88%
CMY	0.6588, 0.5608, 0.1176
CMYK	0.61, 0.50, 0.00, 0.12
HSL	229°, 70%, 61%
HSV	229°, 61%, 88%
XYZ	23.3153, 19.0508, 73.6825
YIQ	117.4070, -51.1730, 29.8430

Conversions

Conversions Part 2

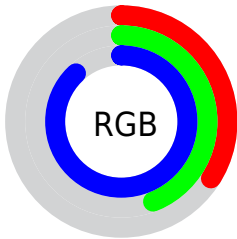
Format	Color
R _Y B	87, 108, 225
Decimal	5730529
CIE Lab	50.75, 25.29, -60.51
CIE LCh	51, 65.583, 292.686
Yxy	19.0508, 0.2009, 0.1642
Android (android.graphics.Color)	4283920609 (0xFF5770E1)
YUV	117.4070, 53.0433, -26.6669
Hunter-Lab	43.6472, 18.9678, -69.5366

Details

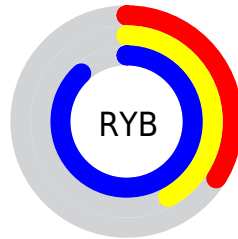
The XYZ color **23.3153, 19.0508, 73.6825** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **53.4283, 58.0082, 17.3993**, and the grayscale version is **16.8875, 17.7670, 19.3482**.

A 20% lighter version of the original color is **43.3599, 39.7103, 99.9873**, and **9.0517, 6.6452, 38.3417** is the 20% darker color. If you saturate the color by 10%, you get **19.7033, 14.4735, 72.9898**, and if you desaturate by 10%, it is **27.9994, 24.7985, 74.5455**.

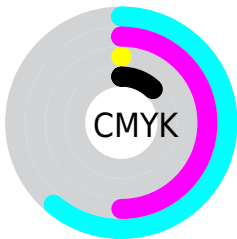
Distribution



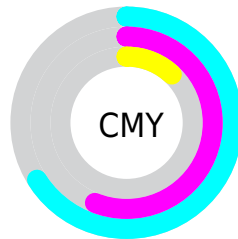
- Red (34%)
- Green (44%)
- Blue (88%)



- Red (34%)
- Yellow (42%)
- Blue (88%)



- Cyan (61%)
- Magenta (50%)
- Yellow (0%)
- Black (12%)



- Cyan (66%)
- Magenta (56%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3153, 19.0508, 73.6825 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 23.3153, 19.0508, 73.6825 by changing the saturation by 10% instead.

■ 23.3153, 19.0508,
73.6825

■ 23.3153, 19.0508,
73.6825

261.8455,
246.7291, 492.5109

■ 14.9485, 11.7070,
54.0390

■ 48.3734, 41.8199,
126.1755

■ 8.8693, 6.5445,
38.2395

■ 65.7954, 58.0140,
159.8621

■ 4.7125, 3.1789,
25.8653

■ 86.9664, 77.9270,
199.0668

■ 2.1126, 1.2258,
16.4980

■ 112.2519,
101.9433, 244.2082

■ 0.6960, 0.0827,
9.7191

142.0172,
130.4472, 295.7047

■ 0.0000, 0.0000,
5.1100

176.6277,

■ 0.0000, 0.0000,

163.8232, 353.9750

2.2521

216.4487,
202.4557, 419.4375

■ 0.0000, 0.0000,
0.7042

■ 0.0000, 0.0000,
0.0000

■ 23.3153, 19.0508,
73.6825

■ 23.3153, 19.0508,
73.6825

■ 19.7033, 14.4735,
72.9898

■ 27.9994, 24.7985,
74.5455

■ 17.0722, 10.9813,
72.4544

■ 33.8315, 31.7901,
75.5876

■ 15.3189, 8.4791,
72.0639

■ 40.8833, 40.0948,
76.8189

■ 14.3750, 7.0050,
71.8291

■ 49.2199, 49.7761,
78.2482

■ 58.9017, 60.8934,
79.8838

■ 69.9852, 73.5026,
81.7334

■ 82.5236, 87.6565,
83.8045

■ 90.5907, 98.2163,
85.4176

Harmonies

Analogous

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



16.5761, 19.0508, 79.5475



23.3153, 19.0508, 73.6825



29.8491, 19.0508, 50.5221

Triad

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



23.3153, 19.0508, 73.6825



26.6985, 19.0508, 3.3903



8.3928, 19.0508, 16.5480

Complementary

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



23.3153, 19.0508, 73.6825



53.4283, 58.0082, 17.3993

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.



9.9363, 19.0508, 5.8169



23.3153, 19.0508, 73.6825



19.7298, 19.0508, 1.7044

Square

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



23.3153, 19.0508, 73.6825



32.1034, 19.0508, 9.8514



13.7389, 19.0508, 2.2119



8.9167, 19.0508, 37.6475

Rectangle

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



23.3153, 19.0508, 73.6825



32.6885, 19.0508, 33.1885



13.7389, 19.0508, 2.2119



8.6715, 19.0508, 11.8777

Sweetspot

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



23.3162, 19.0514, 73.6830



69.2923, 70.6289, 104.5884



41.2471, 60.0336, 63.8749



14.0622, 14.2312, 22.2557



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.



23.3162, 19.0514, 73.6830



24.9200, 17.5947, 96.6904



26.3141, 17.0558, 73.1398



13.1518, 13.6428, 17.3278



8.3445, 4.1585, 41.4112



0.6381, 0.4076, 2.8903

Inverse Universe

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



37.3850, 23.9952, 17.9905



45.5292, 26.1209, 14.8200



47.7732, 64.3994, 18.9310



13.8081, 13.7409, 14.7596



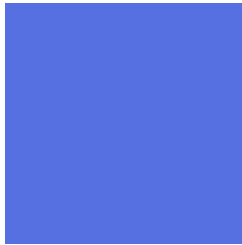
18.1521, 9.3278, 2.2008



1.2883, 0.6586, 0.3112

Previews

White Background



This preview shows how the XYZ color 23.3153, 19.0508, 73.6825 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 23.3153, 19.0508, 73.6825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

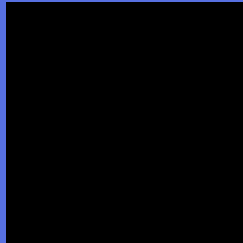
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3153, 19.0508, 73.6825

Background



This preview shows how black text looks on a background with the XYZ color 23.3153, 19.0508, 73.6825.



This preview shows how white text looks on a background with the XYZ color 23.3153, 19.0508,

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

23.3153, 19.0508, 73.6825

Protanopia

22.1592, 19.0447, 77.3710

Deuteranopia

19.4776, 19.1238, 67.6304



Tritanopia

14.3359, 19.0665, 28.9112

Trichromacy



Original Color

23.3153, 19.0508, 73.6825

Protanomaly

22.4491, 19.0562, 75.8938

Deuteranomaly

19.9787, 18.6152, 69.5579

Tritanomaly

16.8009, 18.6765, 42.2546

Monochromacy



Original Color

23.3153, 19.0508, 73.6825

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.0753, 17.7259, 33.9213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3153, 19.0508, 73.6825 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(87, 112, 225)` looks like.

```
.text, #text, p{  
    color:rgb(87, 112, 225)  
}
```

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(87, 112, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 112, 225) }
```

Border

The CSS property to change the border of an element to XYZ 23.3153, 19.0508, 73.6825 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(87, 112, 225) }
```


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

```
.border{ border-color:rgb(87, 112, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 112, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 112, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 112, 225);  
box-shadow:4px 4px 4px 4px rgb(87, 112,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3153, 19.0508, 73.6825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 112, 225) }
```

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

```
.background{ background-color: rgb(87, 112,  
225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor