

Converting Colors

XYZ(23.6992, 19.2487, 73.7005)

Have a look what the booklet for
XYZ(23.6992, 19.2487, 73.7005)
contains.

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Color

**XYZ(23.6992, 19.2487,
73.7005)**

Conversions

Conversions Part 1

Format	Color
Hex	5B70E1
RGB	91, 112, 225
RGB Percent	36%, 44%, 88%
CMY	0.6431, 0.5608, 0.1176
CMYK	0.60, 0.50, 0.00, 0.12
HSL	231°, 69%, 62%
HSV	231°, 60%, 88%
XYZ	23.6992, 19.2487, 73.7005
YIQ	118.6030, -48.7890, 30.6910

Conversions

Conversions Part 2

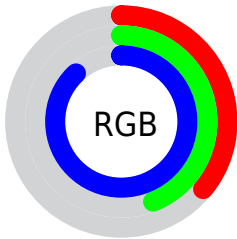
Format	Color
R_{YB}	91, 109, 225
Decimal	5992673
CIE _{Lab}	50.98, 26.01, -60.13
CIE _{LCh}	51, 65.511, 293.393
Yxy	19.2487, 0.2032, 0.1650
Android (android.graphics.Color)	4284182753 (0xFF5B70E1)
YUV	118.6030, 52.4537, -24.2078
Hunter-Lab	43.8733, 19.6426, -68.8868

Details

The XYZ color **23.6992, 19.2487, 73.7005** 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 **54.5349, 59.9525, 18.5969**, and the grayscale version is **17.2612, 18.1602, 19.7764**.

A 20% lighter version of the original color is **43.9097, 39.9937, 100.0130**, and **9.1018, 6.6710, 38.3440** is the 20% darker color. If you saturate the color by 10%, you get **19.9268, 14.5168, 72.9864**, and if you desaturate by 10%, it is **28.5793, 25.2068, 74.5938**.

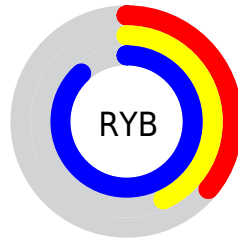
Distribution



Red (36%)

Green (44%)

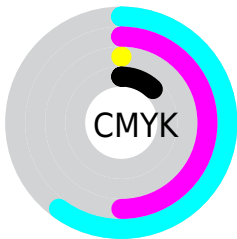
Blue (88%)



Red (36%)

Yellow (43%)

Blue (88%)

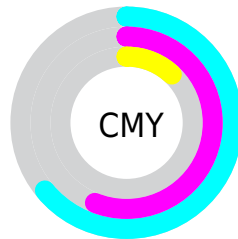


Cyan (60%)

Magenta (50%)

Yellow (0%)

Black (12%)



Cyan (64%)

Magenta (56%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6992, 19.2487, 73.7005 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 23.6992, 19.2487, 73.7005 by changing the saturation by 10% instead.

■ 23.6992, 19.2487,
73.7005

■ 23.6992, 19.2487,
73.7005

263.7650,
247.8183, 492.5748

■ 15.2342, 11.8501,
54.0536

■ 48.9971, 42.1539,
126.2013

■ 9.0713, 6.6417,
38.2511

■ 66.5608, 58.4294,
159.8923

■ 4.8452, 3.2391,
25.8743

■ 87.8880, 78.4325,
199.1017

■ 2.1905, 1.2578,
16.5047

■ 113.3441,
102.5478, 244.2482

■ 0.7377, 0.1082,
9.7238

143.2945,
131.1597, 295.7502

■ 0.0000, 0.0000,
5.1130

178.1045,

■ 0.0000, 0.0000,

164.6524, 354.0262

2.2538

218.1396,
203.4105, 419.4949

■ 0.0000, 0.0000,
0.7052

■ 0.0000, 0.0000,
0.0000

■ 23.6992, 19.2487,
73.7005

■ 23.6992, 19.2487,
73.7005

■ 19.9268, 14.5168,
72.9864

■ 28.5793, 25.2068,
74.5938

■ 17.1699, 10.9216,
72.4378

■ 34.6437, 32.4681,
75.6757

■ 15.3256, 8.3641,
72.0413

■ 41.9654, 41.1052,
76.9569

■ 14.2372, 6.7107,
71.7796

■ 50.6105, 51.1848,
78.4469

■ 14.1992, 6.6532,
71.7705

■ 60.6405, 62.7694,
80.1543

■ 72.1129, 75.9176,
82.0875

■ 85.0820, 90.6848,
84.2543

■ 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.



16.8993, 19.2487, 80.1099



23.6992, 19.2487, 73.7005



30.2252, 19.2487, 50.2366

Triad

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



23.6992, 19.2487, 73.7005



26.7728, 19.2487, 3.3853



8.5025, 19.2487, 17.1165

Complementary

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



23.6992, 19.2487, 73.7005



54.5349, 59.9525, 18.5969

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.



10.0079, 19.2487, 6.0722



23.6992, 19.2487, 73.7005



19.7661, 19.2487, 1.7426

Square

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



23.6992, 19.2487, 73.7005



32.2724, 19.2487, 9.7469



13.7825, 19.2487, 2.3081



9.0797, 19.2487, 38.5500

Rectangle

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



23.6992, 19.2487, 73.7005



33.0141, 19.2487, 32.8955



13.7825, 19.2487, 2.3081



8.7673, 19.2487, 12.3275

Sweetspot

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



23.7001, 19.2493, 73.7010



69.0034, 70.0510, 104.4921



41.9805, 60.3713, 65.7332



13.9930, 14.0928, 22.2326



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.



23.7001, 19.2493, 73.7010



25.6526, 18.2388, 96.7761



27.4326, 18.1266, 73.2876



13.1246, 13.5883, 17.3187



8.2366, 3.9427, 41.3753



0.6252, 0.3819, 2.8860

Inverse Universe

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



37.7179, 24.6610, 18.1015



46.0994, 27.1165, 15.4569



47.7148, 64.3500, 19.8052



13.7943, 13.7354, 14.6872



18.0976, 9.3061, 1.9140



1.2818, 0.6560, 0.2770

Previews

White Background



This preview shows how the XYZ color 23.6992, 19.2487, 73.7005 looks on a white background.

Color Contrast Check

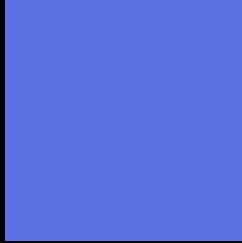
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6992, 19.2487, 73.7005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

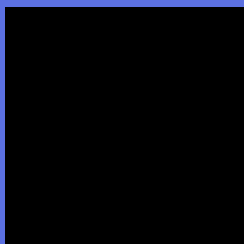
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6992, 19.2487, 73.7005

Background



This preview shows how black text looks on a background with the XYZ color 23.6992, 19.2487, 73.7005.



This preview shows how white text looks on a background with the XYZ color 23.6992, 19.2487,

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

23.6992, 19.2487, 73.7005

Protanopia

22.3316, 19.3056, 77.4123

Deuteranopia

19.6073, 19.1757, 68.3135



Tritanopia

14.7305, 19.2700, 28.9297

Trichromacy



Original Color

23.6992, 19.2487, 73.7005

Protanomaly

22.5886, 19.1281, 75.9003

Deuteranomaly

20.1423, 18.6843, 70.2550

Tritanomaly

17.1912, 18.8777, 42.2728

Monochromacy



Original Color

23.6992, 19.2487, 73.7005

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.7236, 18.2106, 34.8759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6992, 19.2487, 73.7005 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(91, 112, 225)` looks like.

```
.text, #text, p{  
    color:rgb(91, 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(91, 112, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 112, 225) }
```

Border

The CSS property to change the border of an element to XYZ 23.6992, 19.2487, 73.7005 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(91, 112, 225) }
```


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

```
.border{ border-color:rgb(91, 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(91, 112, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 112, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 112, 225);  
box-shadow:4px 4px 4px 4px rgb(91, 112,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6992, 19.2487, 73.7005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 112, 225) }
```

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

```
.background{ background-color: rgb(91, 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](#).

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