

Converting Colors

XYZ(11.3733, 10.6770, 23.6519)

Have a look what the booklet for
XYZ(11.3733, 10.6770, 23.6519)
contains.

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Color

**XYZ(11.3733, 10.6772,
23.6518)**

Conversions

Conversions Part 1

Format	Color
Hex	535985
RGB	83, 89, 133
RGB Percent	33%, 35%, 52%
CMY	0.6745, 0.6510, 0.4784
CMYK	0.38, 0.33, 0.00, 0.48
HSL	233°, 23%, 42%
HSV	233°, 38%, 52%
XYZ	11.3733, 10.6772, 23.6518
YIQ	92.2220, -17.7000, 12.4120

Conversions

Conversions Part 2

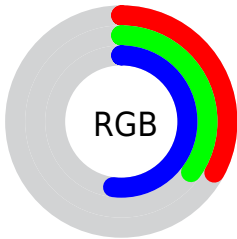
Format	Color
R_{YB}	83, 88, 133
Decimal	5462405
CIE Lab	39.03, 9.18, -25.34
CIE LCh	39, 26.957, 289.918
Yxy	10.6772, 0.2489, 0.2336
Android (android.graphics.Color)	4283652485 (0xFF535985)
YUV	92.2220, 20.1036, -8.0877
Hunter-Lab	32.6760, 4.9463, -20.0426

Details

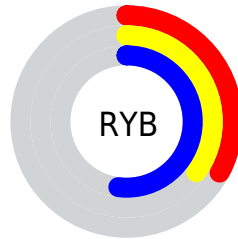
The XYZ color **11.3733, 10.6772, 23.6518** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.8239, 20.7902, 11.2049**, and the grayscale version is **10.1822, 10.7124, 11.6658**.

A 20% lighter version of the original color is **27.9271, 27.0787, 50.2092**, and **3.1217, 2.7660, 8.5530** is the 20% darker color. If you saturate the color by 10%, you get **9.4128, 8.3340, 23.3030**, and if you desaturate by 10%, it is **13.7146, 13.4470, 24.0632**.

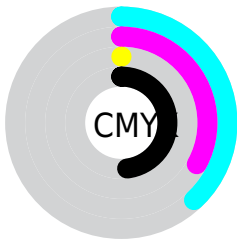
Distribution



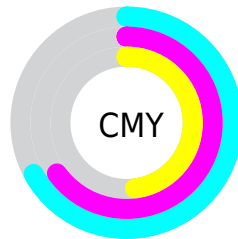
- Red (33%)
- Green (35%)
- Blue (52%)



- Red (33%)
- Yellow (35%)
- Blue (52%)



- Cyan (38%)
- Magenta (33%)
- Yellow (0%)
- Black (48%)



- Cyan (67%)
- Magenta (65%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3733, 10.6772, 23.6518 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 11.3733, 10.6772, 23.6518 by changing the saturation by 10% instead.

■ 11.3733, 10.6772,
23.6518

■ 11.3733, 10.6772,
23.6518

194.0669,
195.4394, 284.2850

■ 6.3876, 5.8502,
14.8657

■ 27.9753, 27.0617,
50.3981

■ 3.1251, 2.7542,
8.5796

■ 40.3224, 39.3880,
69.1954

■ 1.2203, 1.0048,
4.3750

■ 55.8539, 54.9828,
92.1668

■ 0.1223, 0.0000,
1.8332

■ 74.9354, 74.2307,
119.7309

■ 0.0000, 0.0000,
0.4497

■ 97.9320, 97.5158,
152.3062

■ 0.0000, 0.0000,
0.0000

125.2092,

125.2227, 190.3113

157.1324,
157.7358, 234.1647

■ 11.3733, 10.6772,
23.6518

■ 11.3733, 10.6772,
23.6518

■ 9.4128, 8.3340,
23.3030

■ 13.7146, 13.4470,
24.0632

■ 7.8117, 6.3949,
23.0132

■ 16.4542, 16.6620,
24.5394

■ 6.5482, 4.8373,
22.7791

■ 19.6101, 20.3412,
25.0832

■ 5.5979, 3.6356,
22.5972

■ 23.1985, 24.5019,
25.6972

■ 4.9326, 2.7612,
22.4635

■ 27.2352, 29.1607,
26.3837

■ 4.5029, 2.1724,
22.3725

■ 31.7347, 34.3335,
27.1450

■ 4.4184, 2.0628,
22.3558

■ 36.7113, 40.0353,
27.9832

■ 42.1783, 46.2805,
28.9005

■ 48.1488, 53.0831,
29.8989

Harmonies

Analogous

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



9.5547, 10.6772, 24.3649



11.3733, 10.6772, 23.6518



13.0325, 10.6772, 19.2441

Triad

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



11.3733, 10.6772, 23.6518



12.5431, 10.6772, 5.5728



7.1088, 10.6772, 9.9759

Complementary

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



11.3733, 10.6772, 23.6518



18.8239, 20.7902, 11.2049

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.



7.7246, 10.6772, 6.3415



11.3733, 10.6772, 23.6518



10.7661, 10.6772, 4.3443

Square

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



11.3733, 10.6772, 23.6518



13.7612, 10.6772, 8.5661



9.0147, 10.6772, 4.5764



7.2306, 10.6772, 15.3387

Rectangle

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



11.3733, 10.6772, 23.6518



13.7571, 10.6772, 15.3707



9.0147, 10.6772, 4.5764



7.2333, 10.6772, 8.5445

Sweetspot

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



11.3737, 10.6776, 23.6521



32.9620, 33.9185, 44.5480



15.7426, 20.1293, 22.9075



7.2820, 7.4737, 10.0115



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.3737, 10.6776, 23.6521



17.3639, 15.5342, 41.8216



12.7315, 10.6664, 23.5783



4.4762, 4.6280, 5.8581



4.2121, 1.9720, 21.2953



0.0173, 0.0122, 0.0747

Inverse Universe

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



14.5696, 11.8948, 10.9796



23.9839, 18.1956, 15.5407



16.9757, 21.0222, 11.3470



4.6936, 4.6971, 4.9990



9.3042, 4.7860, 0.9083



0.0336, 0.0171, 0.0103

Previews

White Background



This preview shows how the XYZ color 11.3733, 10.6772, 23.6518 looks on a white 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

Black Background



This preview shows how the XYZ color 11.3733, 10.6772, 23.6518 looks on a black 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

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

XYZ 11.3733, 10.6772, 23.6518

Background



This preview shows how black text looks on a background with the XYZ color 11.3733, 10.6772, 23.6518.

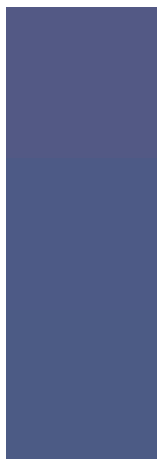


This preview shows how white text looks on a background with the XYZ color 11.3733, 10.6772,

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

11.3733, 10.6772, 23.6518

Protanopia

11.0198, 10.6113, 24.0216

Deuteranopia

10.9552, 10.7121, 23.6805



Tritanopia

9.5209, 10.7002, 14.3955

Trichromacy



Original Color

11.3733, 10.6772, 23.6518

Protanomaly

11.1837, 10.6958, 24.0293

Deuteranomaly

11.1143, 10.6680, 23.6637

Tritanomaly

10.1761, 10.7059, 17.4497

Monochromacy



Original Color

11.3733, 10.6772, 23.6518

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.5148, 10.6676, 15.4148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3733, 10.6772, 23.6518 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(83, 89, 133) looks like.

```
.text, #text, p{  
  color:rgb(83, 89, 133)  
}
```

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(83, 89, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 89, 133) }
```

Border

The CSS property to change the border of an element to XYZ 11.3733, 10.6772, 23.6518 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(83, 89, 133) }
```


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

```
.border{ border-color:rgb(83, 89, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 89, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 89, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 89, 133);  
box-shadow:4px 4px 4px 4px rgb(83, 89,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3733, 10.6772, 23.6518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 89, 133) }
```

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

```
.background{ background-color: rgb(83, 89,  
133) }
```

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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