

Converting Colors

XYZ(19.3995, 10.6535, 70.3962)

Have a look what the booklet for
XYZ(19.3995, 10.6535, 70.3962)
contains.

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Color

**XYZ(19.3673, 10.6331,
70.1389)**

Conversions

Conversions Part 1

Format	Color
Hex	5F39DE
RGB	95, 57, 222
RGB Percent	37%, 22%, 87%
CMY	0.6274, 0.7765, 0.1294
CMYK	0.57, 0.74, 0.00, 0.13
HSL	254°, 71%, 55%
HSV	254°, 74%, 87%
XYZ	19.3673, 10.6331, 70.1389
YIQ	87.1720, -30.3170, 59.3710

Conversions

Conversions Part 2

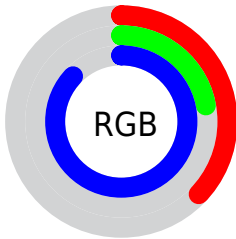
Format	Color
R_{YB}	95, 57, 222
Decimal	6240734
CIE _{Lab}	38.96, 57.35, -77.98
CIE _{LCh}	39, 96.795, 306.333
Yxy	10.6331, 0.1934, 0.1062
Android (android.graphics.Color)	4284430814 (0xFF5F39DE)
YUV	87.1720, 66.4702, 6.8652
Hunter-Lab	32.6084, 48.9527, -104.7035

Details

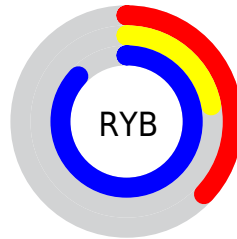
The XYZ color **19.3673, 10.6331, 70.1389** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **46.6253, 62.7276, 13.5210**, and the grayscale version is **8.9627, 9.4295, 10.2687**.

A 20% lighter version of the original color is **37.3172, 25.1132, 97.4882**, and **6.8040, 2.7231, 35.7643** is the 20% darker color. If you saturate the color by 10%, you get **16.9154, 8.0805, 69.7757**, and if you desaturate by 10%, it is **22.6892, 14.3455, 70.6807**.

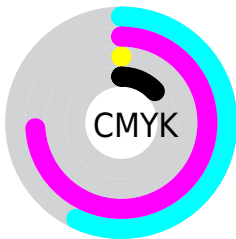
Distribution



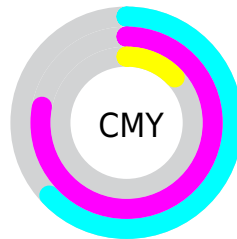
- Red (37%)
- Green (22%)
- Blue (87%)



- Red (37%)
- Yellow (22%)
- Blue (87%)



- Cyan (57%)
- Magenta (74%)
- Yellow (0%)
- Black (13%)



- Cyan (63%)
- Magenta (78%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3673, 10.6331, 70.1389 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 19.3673, 10.6331, 70.1389 by changing the saturation by 10% instead.

■ 19.3673, 10.6331,
70.1389

■ 19.3673, 10.6331,
70.1389

■ 241.3684,
195.1328, 479.8399

■ 12.0416, 5.8207,
51.1623

■ 41.8659, 26.9797,
121.0898

■ 6.8444, 2.7364,
35.9601

■ 57.7695, 39.2826,
153.9011

■ 3.4104, 0.9957,
24.1140

■ 77.2631, 54.8513,
192.1611

■ 1.3743, 0.0000,
15.2052

■ 100.7120, 74.0699,
236.2883

■ 0.2378, 0.0000,
8.8153

■ 128.4817, 97.3230,
286.7013

■ 0.0000, 0.0000,
4.5257

■ 160.9374,

■ 0.0000, 0.0000,

124.9949, 343.8185

1.9180

198.4445,
157.4700, 408.0585

■ 0.0000, 0.0000,
0.5041

■ 0.0000, 0.0000,
0.0000

■ 19.3673, 10.6331,
70.1389

■ 19.3673, 10.6331,
70.1389

■ 16.9154, 8.0805,
69.7757

■ 22.6892, 14.3455,
70.6807

■ 15.2380, 6.5385,
69.5665

■ 26.9579, 19.3401,
71.4198

■ 14.5571, 5.9813,
69.4948

■ 32.2437, 25.7243,
72.3734

■ 38.6092, 33.5935,
73.5568

■ 46.1119, 43.0348,
74.9838

■ 54.8050, 54.1284,
76.6669

■ 64.7384, 66.9490,
78.6179

■ 75.9590, 81.5665,
80.8480

■ 87.9346, 96.8939,
83.1753

Harmonies

Analogous

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



11.5355, 10.6331, 94.7687



19.3673, 10.6331, 70.1389



26.2304, 10.6331, 32.4607

Triad

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



19.3673, 10.6331, 70.1389



15.9403, 10.6331, 0.0000



2.1167, 10.6331, 15.9489

Complementary

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



19.3673, 10.6331, 70.1389



46.6253, 62.7276, 13.5210

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.



2.4762, 10.6331, 2.3768



19.3673, 10.6331, 70.1389



8.8006, 10.6331, 0.0000

Square

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



19.3673, 10.6331, 70.1389



23.7333, 10.6331, 0.6863



4.3998, 10.6331, 0.0000



3.0507, 10.6331, 47.8906

Rectangle

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



19.3673, 10.6331, 70.1389



28.1977, 10.6331, 13.9988



4.3998, 10.6331, 0.0000



2.0990, 10.6331, 9.4531

Sweetspot

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



19.3680, 10.6333, 70.1392



65.5507, 61.9915, 103.1184



32.4838, 41.3671, 75.3801



13.3752, 12.4371, 21.9456



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.



19.3680, 10.6333, 70.1392



21.8024, 9.7726, 95.3449



32.3833, 17.3430, 70.7483



13.2460, 13.3949, 17.2750



8.7273, 3.5944, 41.2822



0.6830, 0.2894, 2.8651

Inverse Universe

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



40.2384, 21.9162, 47.4528



52.4029, 26.3915, 58.6588



32.5397, 55.4663, 12.8618



14.1529, 13.8788, 16.5753



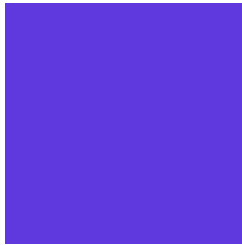
22.2960, 10.9854, 24.0224



1.5788, 0.7748, 1.8405

Previews

White Background



This preview shows how the XYZ color 19.3673, 10.6331, 70.1389 looks on a white background.

Color Contrast Check

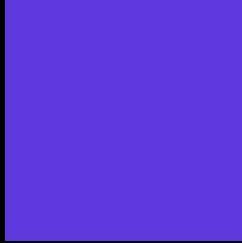
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3673, 10.6331, 70.1389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

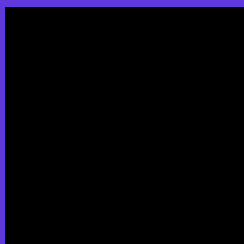
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.3673, 10.6331, 70.1389

Background



This preview shows how black text looks on a background with the XYZ color 19.3673, 10.6331, 70.1389.



This preview shows how white text looks on a background with the XYZ color 19.3673, 10.6331,

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

19.3673, 10.6331, 70.1389

Protanopia

12.3526, 10.5246, 47.8348

Deuteranopia

10.2607, 10.5086, 34.2885



Tritanopia

8.4311, 10.6633, 15.5238

Trichromacy



Original Color

19.3673, 10.6331, 70.1389

Protanomaly

13.6558, 9.7886, 55.2025

Deuteranomaly

12.0791, 9.6196, 45.4761

Tritanomaly

10.8419, 9.6688, 29.7286

Monochromacy



Original Color

19.3673, 10.6331, 70.1389

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

11.2448, 9.1201, 24.4602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3673, 10.6331, 70.1389 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(95, 57, 222)` looks like.

```
.text, #text, p{  
    color:rgb(95, 57, 222)  
}
```

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(95, 57, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 57, 222) }
```

Border

The CSS property to change the border of an element to XYZ 19.3673, 10.6331, 70.1389 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(95, 57, 222) }
```


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

```
.border{ border-color:rgb(95, 57, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 57, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(95, 57, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(95, 57, 222); box-shadow:4px 4px 4px 4px rgb(95, 57, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3673, 10.6331, 70.1389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 57, 222) }
```

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

```
.background{ background-color: rgb(95, 57,  
222) }
```

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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