

Converting Colors

XYZ(23.2001, 22.1171, 46.3448)

Have a look what the booklet for
XYZ(23.2001, 22.1171, 46.3448)
contains.

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Color

**XYZ(23.1703, 22.0685,
46.2185)**

Conversions

Conversions Part 1

Format	Color
Hex	767EB4
RGB	118, 126, 180
RGB Percent	46%, 49%, 71%
CMY	0.5372, 0.5059, 0.2941
CMYK	0.34, 0.30, 0.00, 0.29
HSL	232°, 29%, 58%
HSV	232°, 34%, 71%
XYZ	23.1703, 22.0685, 46.2185
YIQ	129.7640, -22.1020, 15.0980

Conversions

Conversions Part 2

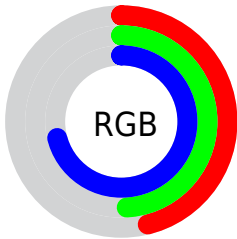
Format	Color
R_{YB}	118, 125, 180
Decimal	7765684
CIE _{Lab}	54.10, 10.19, -29.45
CIE _{LCh}	54, 31.160, 289.091
Yxy	22.0685, 0.2533, 0.2413
Android (android.graphics.Color)	4285955764 (0xFF767EB4)
YUV	129.7640, 24.7663, -10.3170
Hunter-Lab	46.9771, 5.8307, -25.4486

Details

The XYZ color **23.1703, 22.0685, 46.2185** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.8456, 40.5172, 23.0191**, and the grayscale version is **21.0563, 22.1529, 24.1245**.

A 20% lighter version of the original color is **48.2737, 47.0670, 85.8974**, and **8.7994, 8.0334, 21.1655** is the 20% darker color. If you saturate the color by 10%, you get **19.1052, 17.2268, 45.4986**, and if you desaturate by 10%, it is **28.0176, 27.7807, 47.0660**.

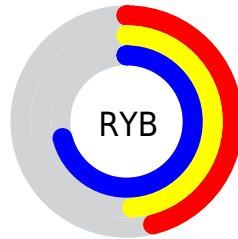
Distribution



Red (46%)

Green (49%)

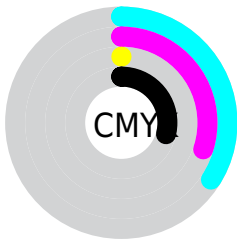
Blue (71%)



Red (46%)

Yellow (49%)

Blue (71%)

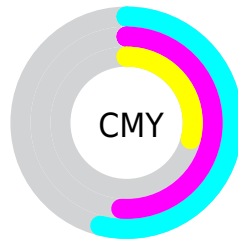


Cyan (34%)

Magenta (30%)

Yellow (0%)

Black (29%)



Cyan (54%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1703, 22.0685, 46.2185 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 23.1703, 22.0685, 46.2185 by changing the saturation by 10% instead.

■ 23.1703, 22.0685,
46.2185

■ 23.1703, 22.0685,
46.2185

261.1175,
262.9038, 387.9895

■ 14.8407, 13.9072,
32.0684

■ 48.1374, 46.8592,
85.8836

■ 8.7932, 8.0562,
21.1485

■ 65.5056, 64.2574,
112.2357

■ 4.6626, 4.1309,
13.0403

■ 86.6174, 85.5034,
143.4922

■ 2.0834, 1.7471,
7.3252

111.8381,
110.9816, 180.0716

■ 0.6802, 0.4539,
3.5848

141.5332,
141.0763, 222.3925

■ 0.0000, 0.0000,
1.4004

176.0678,

■ 0.0000, 0.0000,

176.1720, 270.8734

0.1421

215.8075,
216.6530, 325.9329

■ 0.0000, 0.0000,
0.0000

■ 23.1703, 22.0685,
46.2185

■ 23.1703, 22.0685,
46.2185

■ 19.1052, 17.2268,
45.4986

■ 28.0176, 27.7807,
47.0660

■ 15.7787, 13.2102,
44.8987

■ 33.6829, 34.4008,
48.0452

■ 13.1466, 9.9729,
44.4125

■ 40.2026, 41.9670,
49.1620

■ 11.1588, 7.4636,
44.0329

■ 47.6102, 50.5147,
50.4214

■ 9.7585, 5.6247,
43.7518

■ 55.9375, 60.0773,
51.8283

■ 8.8783, 4.3895,
43.5598

■ 65.2145, 70.6868,
53.3872

■ 8.5492, 3.9171,
43.4859

■ 75.4701, 82.3737,
55.1025

■ 84.1079, 93.8146,
56.8555

■ 85.2383, 96.0753,
57.2323

Harmonies

Analogous

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



19.7711, 22.0685, 47.2881



23.1703, 22.0685, 46.2185



26.2720, 22.0685, 38.3702

Triad

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



23.1703, 22.0685, 46.2185



25.5186, 22.0685, 12.5421



15.2268, 22.0685, 20.6803

Complementary

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



23.1703, 22.0685, 46.2185



36.8456, 40.5172, 23.0191

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.



16.4434, 22.0685, 13.7973



23.1703, 22.0685, 46.2185



22.2277, 22.0685, 10.0096

Square

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



23.1703, 22.0685, 46.2185



27.7250, 22.0685, 18.4484



18.9238, 22.0685, 10.3973



15.4212, 22.0685, 30.6344

Rectangle

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



23.1703, 22.0685, 46.2185



27.6403, 22.0685, 31.2908



18.9238, 22.0685, 10.3973



15.4786, 22.0685, 17.9876

Sweetspot

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



23.1711, 22.0693, 46.2190



65.9306, 68.0223, 87.9493



31.2140, 39.4630, 44.8681



13.9035, 14.2996, 18.9496



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.1711, 22.0693, 46.2190



36.5258, 33.4904, 82.8338



25.6567, 21.8925, 46.0539



8.1274, 8.4011, 10.6995



5.9954, 2.7911, 30.3597



0.2166, 0.1438, 0.9646

Inverse Universe

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



29.0674, 24.1674, 22.8721



48.8487, 38.1188, 33.9864



33.5487, 41.1460, 23.3143



8.5395, 8.5225, 9.0735



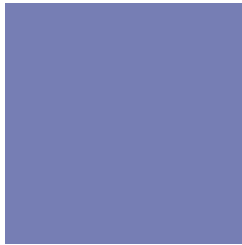
13.2608, 6.8219, 1.2676



0.4314, 0.2203, 0.1143

Previews

White Background



This preview shows how the XYZ color 23.1703, 22.0685, 46.2185 looks on a white background.

Color Contrast Check

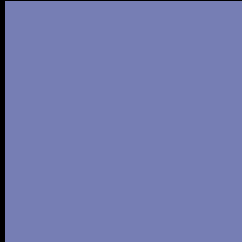
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1703, 22.0685, 46.2185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

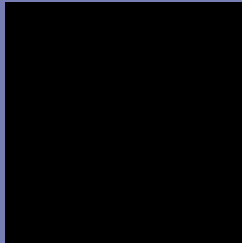
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1703, 22.0685, 46.2185

Background



This preview shows how black text looks on a background with the XYZ color 23.1703, 22.0685, 46.2185.



This preview shows how white text looks on a background with the XYZ color 23.1703, 22.0685,

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

23.1703, 22.0685, 46.2185

Protanopia

22.7399, 22.0257, 46.7689

Deuteranopia

22.6395, 22.1784, 46.2676



Tritanopia

19.8520, 22.1037, 29.6057

Trichromacy



Original Color

23.1703, 22.0685, 46.2185

Protanomaly

23.0001, 22.1598, 46.7811

Deuteranomaly

22.7670, 22.0514, 46.2364

Tritanomaly

20.8785, 21.9103, 35.0270

Monochromacy



Original Color

23.1703, 22.0685, 46.2185

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.7997, 22.2743, 31.1674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1703, 22.0685, 46.2185 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(118, 126, 180)` looks like.

```
.text, #text, p{  
    color:rgb(118, 126, 180)  
}
```

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(118, 126, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 126, 180) }
```

Border

The CSS property to change the border of an element to XYZ 23.1703, 22.0685, 46.2185 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(118, 126, 180) }
```


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

```
.border{ border-color:rgb(118, 126, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 126, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 126, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 126, 180);  
box-shadow:4px 4px 4px 4px rgb(118, 126,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1703, 22.0685, 46.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 126, 180) }
```

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

```
.background{ background-color: rgb(118,  
126, 180) }
```

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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