

Converting Colors

XYZ(23.2335, 21.3507, 51.5828)

Have a look what the booklet for
XYZ(23.2335, 21.3507, 51.5828)
contains.

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Color

**XYZ(23.3167, 21.4610,
51.6287)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 727BBE |
| RGB | 114, 123, 190 |
| RGB Percent | 45%, 48%, 75% |
| CMY | 0.5529, 0.5176, 0.2549 |
| CMYK | 0.40, 0.35, 0.00, 0.25 |
| HSL | 233°, 37%, 60% |
| HSV | 233°, 40%, 75% |
| XYZ | 23.3167, 21.4610, 51.6287 |
| YIQ | 127.9470, -26.8710, 18.9290 |

Conversions

Conversions Part 2

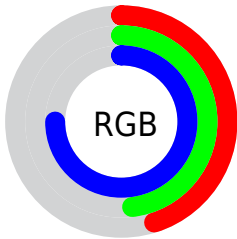
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 114, 122, 190 |
| Decimal | 7502782 |
| CIE Lab | 53.45, 13.65, -36.22 |
| CIE LCh | 53, 38.701, 290.647 |
| Yxy | 21.4610, 0.2419, 0.2226 |
| Android (android.graphics.Color) | 4285692862 (0xFF727BBE) |
| YUV | 127.9470, 30.5921, -12.2315 |
| Hunter-Lab | 46.3260, 8.7717, -33.6484 |

Details

The XYZ color **23.3167, 21.4610, 51.6287** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.7973, 45.2111, 22.4971**, and the grayscale version is **20.4041, 21.4667, 23.3773**.

A 20% lighter version of the original color is **48.2669, 45.7002, 94.2728**, and **8.8845, 7.8018, 24.3302** is the 20% darker color. If you saturate the color by 10%, you get **19.1940, 16.5108, 50.8909**, and if you desaturate by 10%, it is **28.3098, 27.3885, 52.5101**.

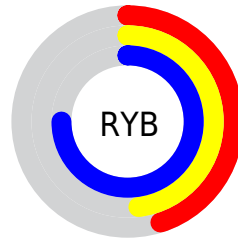
Distribution



Red (45%)

Green (48%)

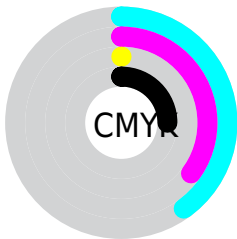
Blue (75%)



Red (45%)

Yellow (48%)

Blue (75%)

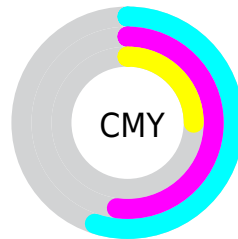


Cyan (40%)

Magenta (35%)

Yellow (0%)

Black (25%)



Cyan (55%)

Magenta (52%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3167, 21.4610, 51.6287 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 23.3167, 21.4610, 51.6287 by changing the saturation by 10% instead.

■ 23.3167, 21.4610,
51.6287

■ 23.3167, 21.4610,
51.6287

261.8525,
259.7184, 409.9176

■ 14.9495, 13.4614,
36.3290

■ 48.3757, 45.8535,
94.0044

■ 8.8700, 7.7470,
24.3967

■ 65.7982, 63.0152,
121.9175

■ 4.7129, 3.9335,
15.4132

■ 86.9698, 83.9997,
154.8722

■ 2.1129, 1.6364,
8.9601

112.2559,
109.1915, 193.2869

■ 0.6962, 0.3820,
4.6187

142.0219,
138.9748, 237.5803

■ 0.0000, 0.0000,
1.9705

176.6331,

■ 0.0000, 0.0000,

173.7341, 288.1708

0.5371

216.4549,
213.8539, 345.4771

■ 0.0000, 0.0000,
0.0000

■ 23.3167, 21.4610,
51.6287

■ 23.3167, 21.4610,
51.6287

■ 19.1940, 16.5108,
50.8909

■ 28.3098, 27.3885,
52.5101

■ 15.8893, 12.4828,
50.2876

■ 34.2170, 34.3396,
53.5404

■ 13.3481, 9.3201,
49.8111

■ 41.0820, 42.3605,
54.7268

■ 11.5080, 6.9582,
49.4522

■ 48.9449, 51.4940,
56.0753

■ 10.2967, 5.3237,
49.2005

■ 57.8434, 61.7804,
57.5918

■ 9.5909, 4.3108,
49.0422

■ 67.8134, 73.2579,
59.2817

■ 9.5908, 4.3107,
49.0422

■ 78.8890, 85.9633,
61.1503

■ 86.2943, 96.4977,
62.7934

Harmonies

Analogous

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



19.1391, 21.4610, 53.6111



23.3167, 21.4610, 51.6287



27.1474, 21.4610, 40.8801

Triad

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



23.3167, 21.4610, 51.6287



25.8371, 21.4610, 9.8613



13.5453, 21.4610, 19.8751

Complementary

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



23.3167, 21.4610, 51.6287



40.7973, 45.2111, 22.4971

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.



14.8718, 21.4610, 11.7436



23.3167, 21.4610, 51.6287



21.7110, 21.4610, 7.3829

Square

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



23.3167, 21.4610, 51.6287



28.7330, 21.4610, 16.2542



17.7337, 21.4610, 7.9312



13.8543, 21.4610, 32.3015

Rectangle

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



23.3167, 21.4610, 51.6287



28.8098, 21.4610, 31.7089



17.7337, 21.4610, 7.9312



13.8072, 21.4610, 16.6344

Sweetspot

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



23.3175, 21.4618, 51.6292



71.5614, 73.4006, 98.6752



33.5783, 43.6948, 49.7736



15.3421, 15.6839, 21.6040



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.3175, 21.4618, 51.6292



35.6129, 30.9234, 92.3709



26.4450, 21.4925, 51.4703



9.1051, 9.4025, 12.0072



6.4083, 2.9284, 32.6204



0.2814, 0.1755, 1.2879

Inverse Universe

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



30.8284, 24.4129, 21.8268



51.2155, 37.4124, 30.3814



36.3789, 45.7378, 22.8317



9.5749, 9.5543, 10.1504



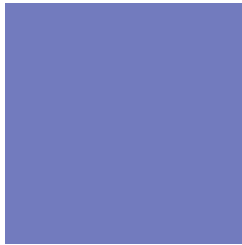
14.2354, 7.3253, 1.2672



0.5729, 0.2931, 0.1304

Previews

White Background



This preview shows how the XYZ color 23.3167, 21.4610, 51.6287 looks on a white background.

Color Contrast Check

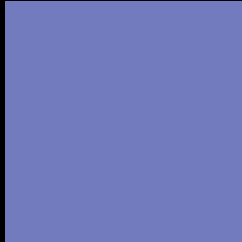
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3167, 21.4610, 51.6287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

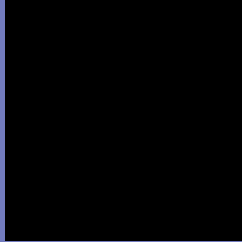
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.3167, 21.4610, 51.6287

Background



This preview shows how black text looks on a background with the XYZ color 23.3167, 21.4610, 51.6287.



This preview shows how white text looks on a background with the XYZ color 23.3167, 21.4610,

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

23.3167, 21.4610, 51.6287

Protanopia

22.5570, 21.4161, 52.8140

Deuteranopia

22.0302, 21.5622, 51.1449



Tritanopia

18.8249, 21.5830, 29.1604

Trichromacy



Original Color

23.3167, 21.4610, 51.6287

Protanomaly

22.7960, 21.3650, 52.2126

Deuteranomaly

22.4719, 21.5991, 51.1288

Tritanomaly

20.1393, 21.3028, 36.3081

Monochromacy



Original Color

23.3167, 21.4610, 51.6287

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.2151, 21.3670, 32.2842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3167, 21.4610, 51.6287 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(114, 123, 190)` looks like.

```
.text, #text, p{  
    color:rgb(114, 123, 190)  
}
```

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(114, 123, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 123, 190) }
```

Border

The CSS property to change the border of an element to XYZ 23.3167, 21.4610, 51.6287 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(114, 123, 190) }
```


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

```
.border{ border-color:rgb(114, 123, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 123, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 123, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 123, 190);  
box-shadow:4px 4px 4px 4px rgb(114, 123,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3167, 21.4610, 51.6287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 123, 190) }
```

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

```
.background{ background-color: rgb(114,  
123, 190) }
```

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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