

Converting Colors

XYZ(23.4910, 21.5689, 54.8268)

Have a look what the booklet for
XYZ(23.4910, 21.5689, 54.8268)
contains.

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Color

**XYZ(23.3637, 21.4210,
54.5330)**

Conversions

Conversions Part 1

Format	Color
Hex	6E7BC3
RGB	110, 123, 195
RGB Percent	43%, 48%, 76%
CMY	0.5686, 0.5176, 0.2353
CMYK	0.44, 0.37, 0.00, 0.24
HSL	231°, 41%, 60%
HSV	231°, 44%, 76%
XYZ	23.3637, 21.4210, 54.5330
YIQ	127.3210, -30.8600, 19.6360

Conversions

Conversions Part 2

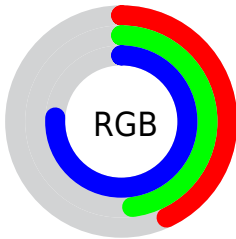
Format	Color
R _Y B	110, 121, 195
Decimal	7240643
CIE Lab	53.41, 14.04, -39.16
CIE LCh	53, 41.603, 289.727
Yxy	21.4210, 0.2352, 0.2157
Android (android.graphics.Color)	4285430723 (0xFF6E7BC3)
YUV	127.3210, 33.3657, -15.1905
Hunter-Lab	46.2828, 9.1124, -37.4608

Details

The XYZ color **23.3637, 21.4210, 54.5330** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **42.0491, 46.1852, 21.4514**, and the grayscale version is **20.1802, 21.2311, 23.1207**.

A 20% lighter version of the original color is **48.4177, 45.6876, 98.3622**, and **8.9547, 7.7960, 26.2321** is the 20% darker color. If you saturate the color by 10%, you get **19.3201, 16.5472, 53.8058**, and if you desaturate by 10%, it is **28.2885, 27.2630, 55.4015**.

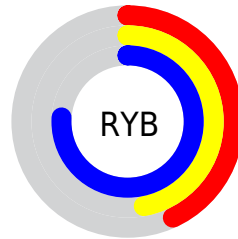
Distribution



Red (43%)

Green (48%)

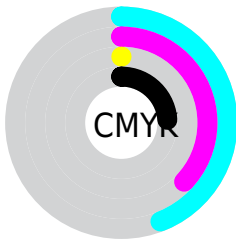
Blue (76%)



Red (43%)

Yellow (47%)

Blue (76%)

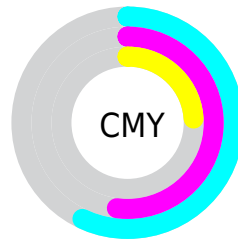


Cyan (44%)

Magenta (37%)

Yellow (0%)

Black (24%)



Cyan (57%)

Magenta (52%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3637, 21.4210, 54.5330 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 23.3637, 21.4210, 54.5330 by changing the saturation by 10% instead.

■ 23.3637, 21.4210,
54.5330

■ 23.3637, 21.4210,
54.5330

262.0882,
259.5075, 421.3712

■ 14.9845, 13.4321,
38.6319

■ 48.4521, 45.7872,
98.3207

■ 8.8947, 7.7268,
26.1678

■ 65.8920, 62.9332,
127.0443

■ 4.7291, 3.9206,
16.7224

■ 87.0828, 83.9004,
160.8792

■ 2.1223, 1.6292,
9.8769

112.3899,
109.0731, 200.2438

■ 0.7013, 0.3772,
5.2129

142.1786,
138.8358, 245.5568

■ 0.0000, 0.0000,
2.3118

176.8143,

■ 0.0000, 0.0000,

173.5728, 297.2367

0.7378

216.6624,
213.6686, 355.7020

■ 0.0000, 0.0000,
0.0000

■ 23.3637, 21.4210,
54.5330

■ 23.3637, 21.4210,
54.5330

■ 19.3201, 16.5472,
53.8058

■ 28.2885, 27.2630,
55.4015

■ 16.1025, 12.5864,
53.2109

■ 34.1404, 34.1198,
56.4165

■ 13.6532, 9.4812,
52.7406

■ 40.9650, 42.0376,
57.5851

■ 11.9058, 7.1666,
52.3859

■ 48.8041, 51.0592,
58.9133

■ 10.7819, 5.5675,
52.1365

■ 57.6970, 61.2249,
60.4068

■ 10.3101, 4.8596,
52.0247

■ 67.6810, 72.5731,
62.0710

■ 78.7916, 85.1401,
63.9111

■ 86.8504, 96.7202,
65.7215

Harmonies

Analogous

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



18.8825, 21.4210, 56.3814



23.3637, 21.4210, 54.5330



27.5525, 21.4210, 42.8476

Triad

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



23.3637, 21.4210, 54.5330



26.3591, 21.4210, 9.2516



13.0937, 21.4210, 19.2489

Complementary

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



23.3637, 21.4210, 54.5330



42.0491, 46.1852, 21.4514

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.



14.5427, 21.4210, 10.8680



23.3637, 21.4210, 54.5330



21.9127, 21.4210, 6.6423

Square

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



23.3637, 21.4210, 54.5330



29.4477, 21.4210, 16.0388



17.6255, 21.4210, 7.1016



13.3655, 21.4210, 32.5359

Rectangle

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



23.3637, 21.4210, 54.5330



29.4123, 21.4210, 32.8088



17.6255, 21.4210, 7.1016



13.3865, 21.4210, 15.8696

Sweetspot

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



23.3645, 21.4218, 54.5335



73.8766, 75.8765, 103.2217



34.2697, 45.6752, 50.6371



15.5385, 15.8767, 22.4955



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.



23.3645, 21.4218, 54.5335



35.1138, 30.2582, 96.4595



25.9637, 20.5249, 54.2234



9.6499, 9.9911, 12.7047



6.7406, 3.2377, 33.8263



0.3316, 0.2207, 1.4750

Inverse Universe

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



31.6575, 24.1850, 21.7391



51.9932, 36.4277, 29.5880



38.1963, 48.3358, 22.0696



10.1346, 10.1024, 10.7993



14.7983, 7.6091, 1.5841



0.6598, 0.3369, 0.1758

Previews

White Background



This preview shows how the XYZ color 23.3637, 21.4210, 54.5330 looks on a white background.

Color Contrast Check

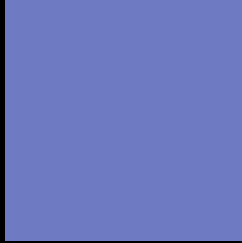
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3637, 21.4210, 54.5330 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 23.3637, 21.4210, 54.5330

Background



This preview shows how black text looks on a background with the XYZ color 23.3637, 21.4210, 54.5330.

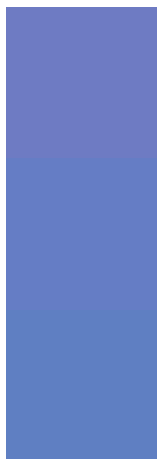


This preview shows how white text looks on a background with the XYZ color 23.3637, 21.4210,

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

23.3637, 21.4210, 54.5330

Protanopia

22.7785, 21.4652, 55.7660

Deuteranopia

22.0463, 21.5067, 54.0282



Tritanopia

18.2454, 21.2755, 29.5305

Trichromacy



Original Color

23.3637, 21.4210, 54.5330

Protanomaly

22.8804, 21.3439, 55.1384

Deuteranomaly

22.4540, 21.5261, 54.0104

Tritanomaly

19.8279, 21.1116, 37.6802

Monochromacy



Original Color

23.3637, 21.4210, 54.5330

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

21.0135, 21.2537, 32.7006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3637, 21.4210, 54.5330 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(110, 123, 195)` looks like.

```
.text, #text, p{  
    color:rgb(110, 123, 195)  
}
```

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(110, 123, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 123, 195) }
```

Border

The CSS property to change the border of an element to XYZ 23.3637, 21.4210, 54.5330 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(110, 123, 195) }
```


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

```
.border{ border-color:rgb(110, 123, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 123, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 123, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 123, 195);  
box-shadow:4px 4px 4px 4px rgb(110, 123,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3637, 21.4210, 54.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 123, 195) }
```

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

```
.background{ background-color: rgb(110,  
123, 195) }
```

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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