

Converting Colors

XYZ(23.2037, 21.5529, 56.9855)

Have a look what the booklet for
XYZ(23.2037, 21.5529, 56.9855)
contains.

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Color

**XYZ(23.1100, 21.4224,
56.9497)**

Conversions

Conversions Part 1

Format	Color
Hex	677CC7
RGB	103, 124, 199
RGB Percent	40%, 49%, 78%
CMY	0.5961, 0.5137, 0.2196
CMYK	0.48, 0.38, 0.00, 0.22
HSL	227°, 46%, 59%
HSV	227°, 48%, 78%
XYZ	23.1100, 21.4224, 56.9497
YIQ	126.2710, -36.5910, 18.8730

Conversions

Conversions Part 2

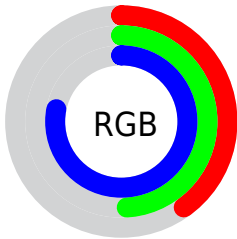
Format	Color
R _Y B	103, 120, 199
Decimal	6782151
CIE Lab	53.41, 12.90, -41.47
CIE LCh	53, 43.431, 287.277
Yxy	21.4224, 0.2277, 0.2111
Android (android.graphics.Color)	4284972231 (0xFF677CC7)
YUV	126.2710, 35.8554, -20.4087
Hunter-Lab	46.2843, 8.1283, -40.5532

Details

The XYZ color **23.1100, 21.4224, 56.9497** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **41.9229, 44.9637, 19.3025**, and the grayscale version is **19.8148, 20.8467, 22.7021**.

A 20% lighter version of the original color is **47.8734, 45.6416, 100.8943**, and **8.8220, 7.7941, 27.8275** is the 20% darker color. If you saturate the color by 10%, you get **19.2960, 16.7886, 56.2567**, and if you desaturate by 10%, it is **27.7760, 26.9522, 57.7716**.

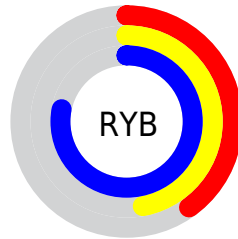
Distribution



Red (40%)

Green (49%)

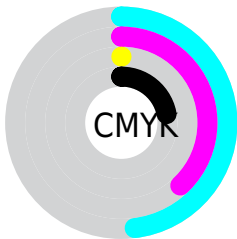
Blue (78%)



Red (40%)

Yellow (47%)

Blue (78%)

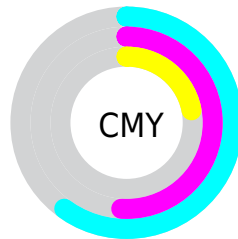


Cyan (48%)

Magenta (38%)

Yellow (0%)

Black (22%)



Cyan (60%)

Magenta (51%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1100, 21.4224, 56.9497 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 23.1100, 21.4224, 56.9497 by changing the saturation by 10% instead.

■ 23.1100, 21.4224,
56.9497

■ 23.1100, 21.4224,
56.9497

260.8143,
259.5149, 430.7493

■ 14.7959, 13.4331,
40.5558

■ 48.0392, 45.7895,
101.8914

■ 8.7616, 7.7275,
27.6551

■ 65.3850, 62.9360,
131.2762

■ 4.6419, 3.9211,
17.8290

■ 86.4721, 83.9038,
165.8285

■ 2.0713, 1.6295,
10.6591

■ 111.6659,
109.0772, 205.9666

■ 0.6735, 0.3774,
5.7268

141.3316,
138.8407, 252.1092

■ 0.0000, 0.0000,
2.6136

175.8347,

■ 0.0000, 0.0000,

173.5785, 304.6748

0.8995

215.5404,
213.6751, 364.0820

■ 0.0000, 0.0000,
0.0000

■ 23.1100, 21.4224,
56.9497

■ 23.1100, 21.4224,
56.9497

■ 19.2960, 16.7886,
56.2567

■ 27.7760, 26.9522,
57.7716

■ 16.2781, 12.9995,
55.6844

■ 33.3402, 33.4206,
58.7268

■ 13.9971, 10.0020,
55.2261

■ 39.8485, 40.8704,
59.8218

■ 12.3840, 7.7354,
54.8736

■ 47.3427, 49.3409,
61.0617

■ 11.3401, 6.1209,
54.6170

■ 55.8621, 58.8691,
62.4518

■ 11.1921, 5.8899,
54.5802

■ 65.4439, 69.4904,
63.9969

■ 76.1233, 81.2382,
65.7016

■ 85.2334, 92.7525,
67.4440

■ 87.3089, 96.9036,
68.1358

Harmonies

Analogous

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



18.4701, 21.4224, 57.9018



23.1100, 21.4224, 56.9497



27.5951, 21.4224, 45.1460

Triad

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



23.1100, 21.4224, 56.9497



26.9896, 21.4224, 9.2008



12.8787, 21.4224, 18.1672

Complementary

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



23.1100, 21.4224, 56.9497



41.9229, 44.9637, 19.3025

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.



14.5170, 21.4224, 9.9897



23.1100, 21.4224, 56.9497



22.3775, 21.4224, 6.2880

Square

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



23.1100, 21.4224, 56.9497



30.0567, 21.4224, 16.5669



17.8398, 21.4224, 6.5084



13.0135, 21.4224, 31.7096

Rectangle

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



23.1100, 21.4224, 56.9497



29.6846, 21.4224, 34.5748



17.8398, 21.4224, 6.5084



13.2285, 21.4224, 14.8264

Sweetspot

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



23.1108, 21.4232, 56.9502



74.8526, 77.3243, 105.5877



33.9138, 46.8894, 48.6502



15.4237, 15.8732, 22.5009



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.



23.1108, 21.4232, 56.9502



33.4234, 28.9479, 98.4336



24.1527, 18.4611, 56.3236



10.2417, 10.6574, 13.4348



7.2505, 3.8950, 35.1140



0.3986, 0.2951, 1.6811

Inverse Universe

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



32.0423, 23.2989, 21.8777



51.2013, 33.6735, 28.3999



40.1945, 50.7566, 20.5117



10.7273, 10.6743, 11.5470



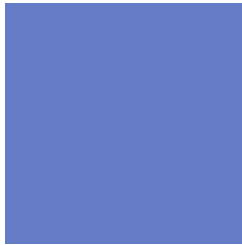
15.4591, 7.9332, 2.3614



0.7599, 0.3868, 0.2588

Previews

White Background



This preview shows how the XYZ color 23.1100, 21.4224, 56.9497 looks on a white background.

Color Contrast Check

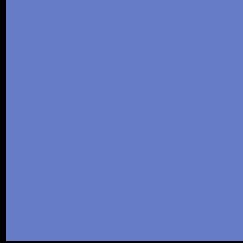
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1100, 21.4224, 56.9497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

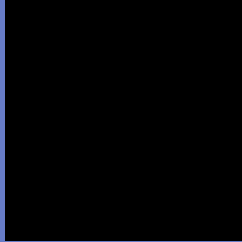
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1100, 21.4224, 56.9497

Background



This preview shows how black text looks on a background with the XYZ color 23.1100, 21.4224, 56.9497.



This preview shows how white text looks on a background with the XYZ color 23.1100, 21.4224,

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

23.1100, 21.4224, 56.9497

Protanopia

22.9045, 21.4900, 57.5844

Deuteranopia

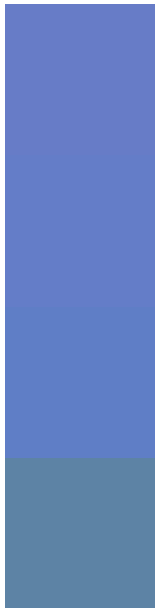
21.9989, 21.4296, 56.4029



Tritanopia

17.7828, 21.4295, 30.3932

Trichromacy



Original Color

23.1100, 21.4224, 56.9497

Protanomaly

23.0145, 21.5467, 57.5895

Deuteranomaly

22.3732, 21.4318, 56.3836

Tritanomaly

19.4220, 21.2764, 38.6804

Monochromacy



Original Color

23.1100, 21.4224, 56.9497

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.5546, 20.8187, 33.0721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1100, 21.4224, 56.9497 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(103, 124, 199)` looks like.

```
.text, #text, p{  
    color:rgb(103, 124, 199)  
}
```

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(103, 124, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 124, 199) }
```

Border

The CSS property to change the border of an element to XYZ 23.1100, 21.4224, 56.9497 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(103, 124, 199) }
```


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

```
.border{ border-color:rgb(103, 124, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 124, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 124, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 124, 199);  
box-shadow:4px 4px 4px 4px rgb(103, 124,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1100, 21.4224, 56.9497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 124, 199) }
```

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

```
.background{ background-color: rgb(103,  
124, 199) }
```

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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