

Converting Colors

XYZ(23.3946, 13.0311, 83.4879)

Have a look what the booklet for
XYZ(23.3946, 13.0311, 83.4879)
contains.

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Color

**XYZ(23.4442, 13.0751,
83.7262)**

Conversions

Conversions Part 1

Format	Color
Hex	6941F0
RGB	105, 65, 240
RGB Percent	41%, 25%, 94%
CMY	0.5882, 0.7451, 0.0588
CMYK	0.56, 0.73, 0.00, 0.06
HSL	254°, 85%, 60%
HSV	254°, 73%, 94%
XYZ	23.4442, 13.0751, 83.7262
YIQ	96.9100, -32.3350, 62.9050

Conversions

Conversions Part 2

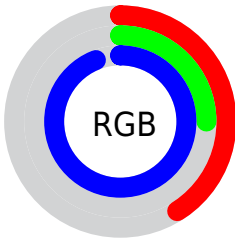
Format	Color
R _Y B	105, 65, 240
Decimal	6898160
CIE Lab	42.88, 59.79, -81.72
CIE LCh	43, 101.259, 306.193
Yxy	13.0751, 0.1950, 0.1087
Android (android.graphics.Color)	4285088240 (0xFF6941F0)
YUV	96.9100, 70.5434, 7.0949
Hunter-Lab	36.1595, 52.4522, -111.9725

Details

The XYZ color **23.4442, 13.0751, 83.7262** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle washed purple. A complement of this color would be **55.9316, 74.9803, 16.5255**, and the grayscale version is **11.1791, 11.7613, 12.8080**.

A 20% lighter version of the original color is **40.5597, 28.2674, 97.9262**, and **8.9983, 3.7964, 45.0583** is the 20% darker color. If you saturate the color by 10%, you get **20.4045, 9.8790, 83.2699**, and if you desaturate by 10%, it is **27.5435, 17.6852, 84.4003**.

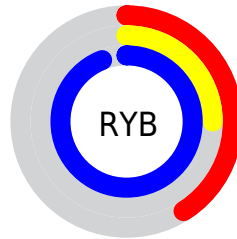
Distribution



Red (41%)

Green (25%)

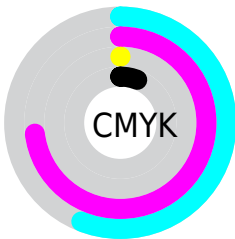
Blue (94%)



Red (41%)

Yellow (25%)

Blue (94%)

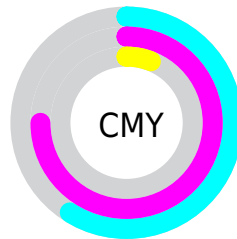


Cyan (56%)

Magenta (73%)

Yellow (0%)

Black (6%)



Cyan (59%)

Magenta (75%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4442, 13.0751, 83.7262 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 23.4442, 13.0751, 83.7262 by changing the saturation by 10% instead.

■ 23.4442, 13.0751,
83.7262

■ 23.4442, 13.0751,
83.7262

262.4913,
211.3984, 527.4378

■ 15.0443, 7.4803,
62.2453

■ 48.5830, 31.4386,
140.4504

■ 8.9370, 3.7642,
44.7939

■ 66.0526, 44.9761,
176.5308

■ 4.7569, 1.5426,
30.9533

■ 87.2762, 61.9300,
218.3149

■ 2.1386, 0.3184,
20.3052

■ 112.6192, 82.6846,
266.2210

■ 0.7101, 0.0000,
12.4308

■ 142.4468,
107.6244, 320.6679

■ 0.0000, 0.0000,
6.9117

177.1245,

■ 0.0000, 0.0000,

137.1337, 382.0739

3.3293

217.0175,
171.5969, 450.8577

■ 0.0000, 0.0000,
1.2651

■ 0.0000, 0.0000,
0.0330

■ 23.4442, 13.0751,
83.7262

■ 23.4442, 13.0751,
83.7262

■ 20.4045, 9.8790,
83.2699

■ 27.5435, 17.6852,
84.4003

■ 18.3112, 7.9204,
83.0021

■ 32.7943, 23.8550,
85.3145

■ 17.2966, 7.0998,
82.8972

■ 39.2805, 31.7123,
86.4892

■ 47.0772, 41.3714,
87.9427

■ 56.2533, 52.9365,
89.6914

■ 66.8728, 66.5037,
91.7504

■ 78.9957, 82.1626,
94.1339

■ 92.0373, 98.7151,
96.6415

■ 92.7282, 99.0713,
96.6738

Harmonies

Analogous

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



14.1023, 13.0751, 112.4807



23.4442, 13.0751, 83.7262



31.6109, 13.0751, 39.2881

Triad

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



23.4442, 13.0751, 83.7262



19.4514, 13.0751, 0.0000



2.7291, 13.0751, 19.3448

Complementary

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



23.4442, 13.0751, 83.7262



55.9316, 74.9803, 16.5255

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.



3.1812, 13.0751, 3.0344



23.4442, 13.0751, 83.7262



10.8908, 13.0751, 0.0000

Square

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



23.4442, 13.0751, 83.7262



28.7138, 13.0751, 0.9881



5.5503, 13.0751, 0.0000



3.8730, 13.0751, 57.1232

Rectangle

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



23.4442, 13.0751, 83.7262



33.9645, 13.0751, 17.2568



5.5503, 13.0751, 0.0000



2.7095, 13.0751, 11.5910

Sweetspot

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



23.4450, 13.0754, 83.7266



65.5227, 61.9771, 103.1171



39.0482, 49.6953, 89.9725



13.3688, 12.4338, 21.9453



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.



23.4450, 13.0754, 83.7266



22.0007, 9.9686, 95.3723



38.9579, 21.0726, 84.4526



15.2353, 15.4030, 19.8917



9.5636, 3.9356, 45.3835



0.8797, 0.3707, 3.7794

Inverse Universe

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



48.2499, 26.4755, 57.2059



52.5825, 26.5644, 59.2931



39.1298, 66.3187, 15.7392



16.2906, 15.9660, 19.0867



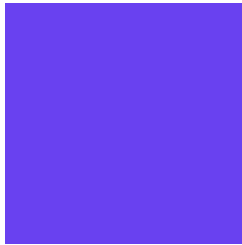
24.5259, 12.0828, 26.4837



2.0776, 1.0201, 2.3994

Previews

White Background



This preview shows how the XYZ color 23.4442, 13.0751, 83.7262 looks on a white background.

Color Contrast Check

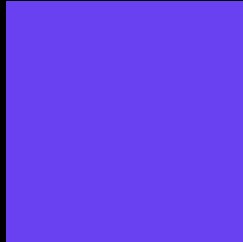
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4442, 13.0751, 83.7262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

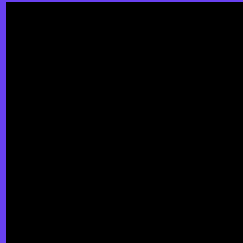
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.4442, 13.0751, 83.7262

Background



This preview shows how black text looks on a background with the XYZ color 23.4442, 13.0751, 83.7262.



This preview shows how white text looks on a background with the XYZ color 23.4442, 13.0751,

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

23.4442, 13.0751, 83.7262

Protanopia

15.2941, 12.9572, 59.4525

Deuteranopia

12.7868, 13.0352, 42.9164



Tritanopia

10.3771, 12.9393, 18.7802

Trichromacy



Original Color

23.4442, 13.0751, 83.7262



Protanomaly

16.7027, 11.9710, 67.7600



Deuteranomaly

14.7643, 11.8479, 55.5415



Tritanomaly

13.3292, 11.7994, 35.7574

Monochromacy



Original Color

23.4442, 13.0751, 83.7262



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

13.9288, 11.3763, 29.8955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4442, 13.0751, 83.7262 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(105, 65, 240)` looks like.

```
.text, #text, p{  
    color:rgb(105, 65, 240)  
}
```

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(105, 65, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 65, 240) }
```

Border

The CSS property to change the border of an element to XYZ 23.4442, 13.0751, 83.7262 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(105, 65, 240) }
```


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

```
.border{ border-color:rgb(105, 65, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 65, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 65, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 65, 240);  
box-shadow:4px 4px 4px 4px rgb(105, 65,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4442, 13.0751, 83.7262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 65, 240) }
```

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

```
.background{ background-color: rgb(105, 65,  
240) }
```

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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