

Converting Colors

XYZ(23.7044, 13.1388, 16.1227)

Have a look what the booklet for
XYZ(23.7044, 13.1388, 16.1227)
contains.

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Color

**XYZ(23.6500, 13.0960,
16.0331)**

Conversions

Conversions Part 1

Format	Color
Hex	B92A6E
RGB	185, 42, 110
RGB Percent	73%, 16%, 43%
CMY	0.2745, 0.8353, 0.5686
CMYK	0.00, 0.77, 0.41, 0.27
HSL	331°, 63%, 45%
HSV	331°, 77%, 73%
XYZ	23.6500, 13.0960, 16.0331
YIQ	92.5090, 63.4000, 51.4640

Conversions

Conversions Part 2

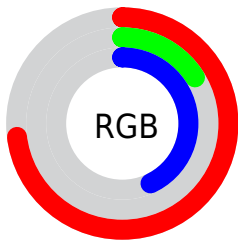
Format	Color
R_{YB}	185, 42, 110
Decimal	12135022
CIE _{Lab}	42.91, 60.57, -4.05
CIE _{LCh}	43, 60.709, 356.177
Yxy	13.0960, 0.4481, 0.2481
Android (android.graphics.Color)	4290325102 (0xFFB92A6E)
YUV	92.5090, 8.6231, 81.1146
Hunter-Lab	36.1884, 53.3244, -0.9363

Details

The XYZ color **23.6500, 13.0960, 16.0331** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **21.5157, 36.4749, 22.7391**, and the grayscale version is **10.2617, 10.7961, 11.7569**.

A 20% lighter version of the original color is **48.8406, 31.4884, 37.2219**, and **9.6496, 4.8709, 5.1342** is the 20% darker color. If you saturate the color by 10%, you get **22.6388, 11.8734, 13.2306**, and if you desaturate by 10%, it is **25.0225, 14.9486, 19.2417**.

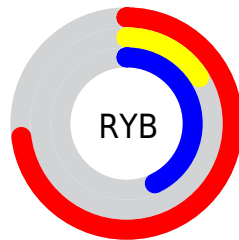
Distribution



Red (73%)

Green (16%)

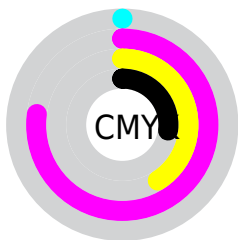
Blue (43%)



Red (73%)

Yellow (16%)

Blue (43%)

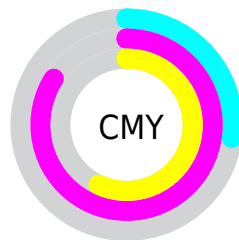


Cyan (0%)

Magenta (77%)

Yellow (41%)

Black (27%)



Cyan (27%)


Magenta (84%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6500, 13.0960, 16.0331 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 23.6500, 13.0960, 16.0331 by changing the saturation by 10% instead.


 23.6500, 13.0960,
16.0331


 23.6500, 13.0960,
16.0331


263.5196,
211.5320, 241.3893


 15.1975, 7.4947,
9.3930

 48.9173, 31.4761,
37.4232


 9.0453, 3.7734,
4.8981


 66.4628, 45.0238,
53.0103


 4.8281, 1.5476,
2.1299

 87.7701, 61.9889,
72.4169

 2.1805, 0.3219,
0.6335

 113.2044, 82.7561,
96.0613

 0.7324, 0.0000,
0.0000

 143.1312,
107.7095, 124.3622

 0.0000, 0.0000,
0.0000

 177.9157,

137.2338, 157.7382

217.9234,
171.7131, 196.6077

■ 23.6500, 13.0960,
16.0331

■ 23.6500, 13.0960,
16.0331

■ 22.6388, 11.8734,
13.2306

■ 25.0225, 14.9486,
19.2417

■ 21.9328, 11.1714,
10.8061

■ 26.7939, 17.5036,
22.8774

■ 21.7676, 11.0183,
10.2044

■ 28.9978, 20.8256,
26.9599

■ 31.6641, 24.9714,
31.5071

■ 34.8196, 29.9924,
36.5357

■ 38.4890, 35.9355,
42.0615

■ 42.6953, 42.8446,
48.0992

■ 47.4603, 50.7604,
54.6632

■ 52.8041, 59.7217,
61.7670

Harmonies

Analogous

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



21.4355, 13.0960, 33.7532



23.6500, 13.0960, 16.0331



22.3022, 13.0960, 5.6923

Triad

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



23.6500, 13.0960, 16.0331



8.9095, 13.0960, 1.4205



8.1097, 13.0960, 47.7964

Complementary

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



23.6500, 13.0960, 16.0331



21.5157, 36.4749, 22.7391

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.



6.0311, 13.0960, 28.7752



23.6500, 13.0960, 16.0331



6.4058, 13.0960, 4.2367

Square

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



23.6500, 13.0960, 16.0331



13.0522, 13.0960, 0.9372



5.4951, 13.0960, 12.6214



11.8615, 13.0960, 58.0136

Rectangle

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



23.6500, 13.0960, 16.0331



19.7096, 13.0960, 2.6233



5.4951, 13.0960, 12.6214



7.2321, 13.0960, 41.8071

Sweetspot

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



23.6504, 13.0967, 16.0333



64.8230, 57.6829, 69.2030



16.7729, 8.8648, 46.7259



13.4867, 11.6489, 14.1727



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.6504, 13.0967, 16.0333



39.5915, 20.2913, 20.4951



21.3411, 12.3123, 3.4432



9.1776, 9.0814, 10.2828



14.8581, 7.5170, 7.1397



0.5551, 0.2775, 0.4166

Inverse Universe

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



23.6504, 13.0967, 16.0333



39.5915, 20.2913, 20.4951



26.5667, 37.7043, 51.7763



9.1776, 9.0814, 10.2828



14.8581, 7.5170, 7.1397



0.5551, 0.2775, 0.4166

Previews

White Background



This preview shows how the XYZ color 23.6500, 13.0960, 16.0331 looks on a white background.

Color Contrast Check

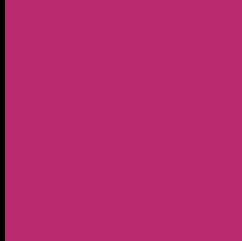
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6500, 13.0960, 16.0331 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 23.6500, 13.0960, 16.0331

Background



This preview shows how black text looks on a background with the XYZ color 23.6500, 13.0960, 16.0331.



This preview shows how white text looks on a background with the XYZ color 23.6500, 13.0960,

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

23.6500, 13.0960, 16.0331

Protanopia

13.9446, 13.4887, 29.4724

Deuteranopia

13.5921, 13.3477, 14.6919



Tritanopia

21.5439, 13.1871, 5.5475

Trichromacy



Original Color

23.6500, 13.0960, 16.0331

Protanomaly

15.3401, 11.6695, 23.9982

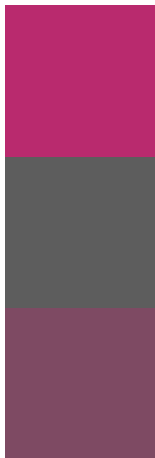
Deuteranomaly

15.9734, 11.9784, 15.1058

Tritanomaly

22.1316, 13.0733, 8.5647

Monochromacy



Original Color

23.6500, 13.0960, 16.0331

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

13.3051, 10.2340, 13.0785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6500, 13.0960, 16.0331 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(185, 42, 110)` looks like.

```
.text, #text, p{  
    color:rgb(185, 42, 110)  
}
```

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(185, 42, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 42, 110) }
```

Border

The CSS property to change the border of an element to XYZ 23.6500, 13.0960, 16.0331 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(185, 42, 110) }
```


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

```
.border{ border-color:rgb(185, 42, 110) }
```

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

Here you see how a box with a 4 pixel rgb(185, 42, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 42, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 42, 110);  
box-shadow:4px 4px 4px 4px rgb(185, 42,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6500, 13.0960, 16.0331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 42, 110) }
```

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

```
.background{ background-color: rgb(185, 42,  
110) }
```

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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