

Converting Colors

XYZ(23.4561, 11.3730, 36.7039)

Have a look what the booklet for
XYZ(23.4561, 11.3730, 36.7039)
contains.

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Color

**XYZ(23.4125, 11.3495,
36.5540)**

Conversions

Conversions Part 1

Format	Color
Hex	AA04A5
RGB	170, 4, 165
RGB Percent	67%, 2%, 65%
CMY	0.3333, 0.9842, 0.3529
CMYK	0.00, 0.98, 0.03, 0.33
HSL	302°, 95%, 34%
HSV	302°, 98%, 67%
XYZ	23.4125, 11.3495, 36.5540
YIQ	71.9880, 47.2550, 85.2630

Conversions

Conversions Part 2

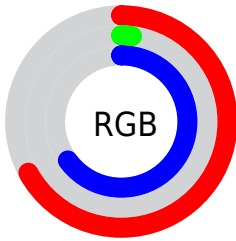
Format	Color
RYB	170, 4, 165
Decimal	11142309
CIELab	40.16, 71.35, -42.17
CIELCh	40, 82.878, 329.415
Yxy	11.3495, 0.3283, 0.1591
Android (android.graphics.Color)	4289332389 (0xFFAA04A5)
YUV	71.9880, 45.8549, 85.9565
Hunter-Lab	33.6890, 65.0945, -40.7498

Details

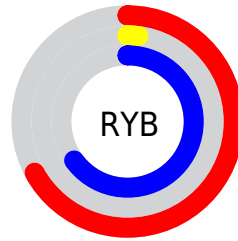
The XYZ color **23.4125, 11.3495, 36.5540** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.4746, 28.7955, 5.0542**, and the grayscale version is **6.0777, 6.3942, 6.9633**.

A 20% lighter version of the original color is **48.6127, 28.3755, 71.3215**, and **9.7347, 4.6806, 15.7196** is the 20% darker color. If you saturate the color by 10%, you get **23.3583, 11.2584, 36.4816**, and if you desaturate by 10%, it is **23.6846, 11.8185, 36.8752**.

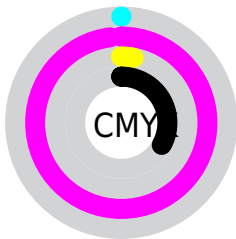
Distribution



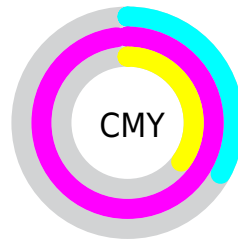
- Red (67%)
- Green (2%)
- Blue (65%)



- Red (67%)
- Yellow (2%)
- Blue (65%)



- Cyan (0%)
- Magenta (98%)
- Yellow (3%)
- Black (33%)





- Cyan (33%)
- Magenta (98%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4125, 11.3495, 36.5540 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 23.4125, 11.3495, 36.5540 by changing the saturation by 10% instead.


 23.4125, 11.3495,
36.5540


 23.4125, 11.3495,
36.5540


262.3326,
200.0499, 346.4859


 15.0208, 6.3024,
24.5693


 48.5315, 28.3047,
71.0649

 8.9204, 3.0298,
15.5404


 65.9894, 40.9815,
94.4283


 4.7460, 1.1473,
9.0487


 87.2001, 56.9705,
122.4215

 2.1322, 0.0180,
4.6757

 112.5289, 76.6559,
155.4633

 0.7066, 0.0000,
2.0029

 142.3412,
100.4221, 193.9720

 0.0000, 0.0000,
0.5570

 177.0024,

 0.0000, 0.0000,

128.6536, 238.3664

0.0000

216.8777,
161.7347, 289.0648

■ 23.4125, 11.3495,
36.5540

■ 23.4125, 11.3495,
36.5540

■ 23.3583, 11.2584,
36.4816

■ 23.6846, 11.8185,
36.8752

■ 24.1567, 12.6877,
37.2640

■ 24.8772, 14.0534,
37.7365

■ 25.8760, 15.9753,
38.3027

■ 27.1789, 18.5051,
38.9712

■ 28.8086, 21.6883,
39.7495

■ 30.7858, 25.5662,
40.6446

■ 33.1295, 30.1766,
41.6628

■ 35.8571, 35.5546,
42.8099

Harmonies

Analogous

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



17.1950, 11.3495, 65.7254



23.4125, 11.3495, 36.5540



26.0915, 11.3495, 12.6844

Triad

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



23.4125, 11.3495, 36.5540



10.9009, 11.3495, 0.0000



3.7284, 11.3495, 35.4101

Complementary

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



23.4125, 11.3495, 36.5540



14.4746, 28.7955, 5.0542

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.



3.0685, 11.3495, 12.0366



23.4125, 11.3495, 36.5540



6.2096, 11.3495, 0.0000

Square

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



23.4125, 11.3495, 36.5540



17.4637, 11.3495, 0.0000



3.7843, 11.3495, 2.2231



6.0750, 11.3495, 64.7434

Rectangle

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



23.4125, 11.3495, 36.5540



24.9737, 11.3495, 4.5264



3.7843, 11.3495, 2.2231



3.3489, 11.3495, 26.1905

Sweetspot

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



23.4130, 11.3500, 36.5542



55.1289, 44.9566, 73.4207



7.3844, 3.0334, 38.2270



11.9557, 9.3618, 16.2207



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.4130, 11.3500, 36.5542



42.3654, 20.4208, 66.1107



18.2312, 9.2773, 9.2675



7.8320, 7.6627, 9.4325



17.1863, 8.2832, 26.8563



0.4211, 0.2027, 0.6688

Inverse Universe

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



23.4130, 11.3500, 36.5542



42.3654, 20.4208, 66.1107



16.2612, 29.5101, 14.4621



7.8320, 7.6627, 9.4325



17.1863, 8.2832, 26.8563



0.4211, 0.2027, 0.6688

Previews

White Background



This preview shows how the XYZ color 23.4125, 11.3495, 36.5540 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

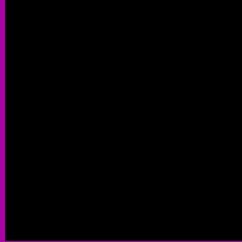
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.4125, 11.3495, 36.5540

Background



This preview shows how black text looks on a background with the XYZ color 23.4125, 11.3495, 36.5540.



This preview shows how white text looks on a background with the XYZ color 23.4125, 11.3495,

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

23.4125, 11.3495, 36.5540

Protanopia

14.1074, 11.9059, 54.9806

Deuteranopia

12.2410, 11.9727, 32.6761



Tritanopia

17.4617, 11.6838, 6.9651

Trichromacy



Original Color

23.4125, 11.3495, 36.5540



Protanomaly

12.5183, 7.9068, 47.3208



Deuteranomaly

13.5150, 8.8830, 33.8032



Tritanomaly

18.6724, 10.6197, 14.1624

Monochromacy



Original Color

23.4125, 11.3495, 36.5540



Achromatopsia

6.1596, 6.4803, 7.0571



Achromatomaly

9.8024, 6.2618, 14.3277

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4125, 11.3495, 36.5540 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(170, 4, 165)` looks like.

```
.text, #text, p{  
    color:rgb(170, 4, 165)  
}
```

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(170, 4, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 4, 165) }
```

Border

The CSS property to change the border of an element to XYZ 23.4125, 11.3495, 36.5540 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(170, 4, 165) }
```


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

```
.border{ border-color:rgb(170, 4, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 4, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 4, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 4, 165);  
box-shadow:4px 4px 4px 4px rgb(170, 4,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4125, 11.3495, 36.5540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 4, 165) }
```

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

```
.background{ background-color: rgb(170, 4,  
165) }
```

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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