

Converting Colors

XYZ(21.8504, 8.9865, 34.1987)

Have a look what the booklet for
XYZ(21.8504, 8.9865, 34.1987)
contains.

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Color

**XYZ(23.0106, 11.1193,
34.6517)**

Conversions

Conversions Part 1

Format	Color
Hex	AA00A1
RGB	170, 0, 161
RGB Percent	67%, 0%, 63%
CMY	0.3333, 0.9999, 0.3686
CMYK	0.00, 1.00, 0.05, 0.33
HSL	303°, 100%, 33%
HSV	303°, 100%, 67%
XYZ	23.0106, 11.1193, 34.6517
YIQ	69.1840, 49.6390, 86.1110

Conversions

Conversions Part 2

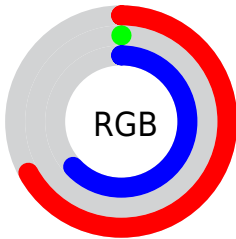
Format	Color
RYB	170, 0, 161
Decimal	11141281
CIELab	39.78, 71.19, -40.37
CIELCh	40, 81.843, 330.442
Yxy	11.1193, 0.3345, 0.1617
Android (android.graphics.Color)	4289331361 (0xFFAA00A1)
YUV	69.1840, 45.2653, 88.4156
Hunter-Lab	33.3456, 64.8216, -38.2703

Details

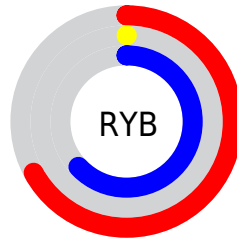
The XYZ color **23.0106, 11.1193, 34.6517** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **14.4246, 28.7697, 5.0519**, and the grayscale version is **5.6114, 5.9036, 6.4290**.

A 20% lighter version of the original color is **47.8010, 27.8024, 67.8128**, and **9.5704, 4.6148, 14.8543** is the 20% darker color. If you saturate the color by 10%, you get **23.0107, 11.1193, 34.6513**, and if you desaturate by 10%, it is **23.2913, 11.5528, 35.1384**.

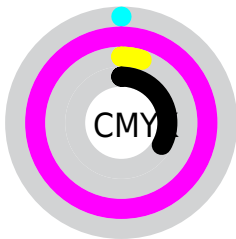
Distribution



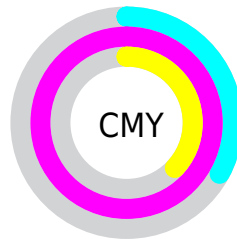
- Red (67%)
- Green (0%)
- Blue (63%)



- Red (67%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (33%)



- Cyan (33%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0106, 11.1193, 34.6517 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 23.0106, 11.1193, 34.6517 by changing the saturation by 10% instead.

■ 23.0106, 11.1193,
34.6517

■ 23.0106, 11.1193,
34.6517

260.3138,
198.4842, 337.8857

■ 14.7221, 6.1471,
23.1133

■ 47.8773, 27.8806,
68.0913

■ 8.7096, 2.9348,
14.4711

■ 65.1861, 40.4384,
90.8295

■ 4.6078, 1.0978,
8.3066

■ 86.2324, 56.2937,
118.1382

■ 2.0514, 0.0000,
4.2012

■ 111.3816, 75.8307,
150.4357

■ 0.6626, 0.0000,
1.7363

■ 140.9990, 99.4339,
188.1407

■ 0.0000, 0.0000,
0.3855

■ 175.4499,

■ 0.0000, 0.0000,

127.4876, 231.6716

0.0000

215.0997,
160.3762, 281.4471

■ 23.0106, 11.1193,
34.6517

■ 23.0106, 11.1193,
34.6517

■ 23.0107, 11.1193,
34.6513

■ 23.2913, 11.5528,
35.1384

■ 23.7434, 12.3287,
35.6850

■ 24.4364, 13.5853,
36.3148

■ 25.4015, 15.3852,
37.0380

■ 26.6652, 17.7815,
37.8637

■ 28.2511, 20.8212,
38.7996

■ 30.1802, 24.5463,
39.8528

■ 32.4717, 28.9954,
41.0296

■ 35.1437, 34.2044,
42.3361

Harmonies

Analogous

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



17.0340, 11.1193, 63.0880



23.0106, 11.1193, 34.6517



25.4512, 11.1193, 11.8704

Triad

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



23.0106, 11.1193, 34.6517



10.4856, 11.1193, 0.0000



3.7274, 11.1193, 35.4900

Complementary

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



23.0106, 11.1193, 34.6517



14.4246, 28.7697, 5.0519

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.



3.0331, 11.1193, 12.3468



23.0106, 11.1193, 34.6517



5.9893, 11.1193, 0.0000

Square

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



23.0106, 11.1193, 34.6517



16.8367, 11.1193, 0.0000



3.6860, 11.1193, 2.3646



6.0885, 11.1193, 63.8067

Rectangle

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



23.0106, 11.1193, 34.6517



24.2501, 11.1193, 4.2025



3.6860, 11.1193, 2.3646



3.3383, 11.1193, 26.4284

Sweetspot

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



23.0110, 11.1198, 34.6519



54.5464, 44.1260, 72.1957



7.3627, 2.9578, 38.2135



11.8303, 9.1949, 15.9206



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.



23.0110, 11.1198, 34.6519



41.7240, 20.1642, 62.7330



17.9004, 9.0756, 7.7395



7.8245, 7.6597, 9.3930



16.9333, 8.1821, 25.5243



0.4170, 0.2011, 0.6473

Inverse Universe

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



23.0110, 11.1198, 34.6519



41.7240, 20.1642, 62.7330



16.3736, 29.5493, 15.3154



7.8245, 7.6597, 9.3930



16.9333, 8.1821, 25.5243



0.4170, 0.2011, 0.6473

Previews

White Background



This preview shows how the XYZ color 23.0106, 11.1193, 34.6517 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 23.0106, 11.1193, 34.6517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

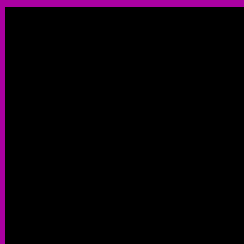
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.0106, 11.1193, 34.6517

Background



This preview shows how black text looks on a background with the XYZ color 23.0106, 11.1193, 34.6517.



This preview shows how white text looks on a background with the XYZ color 23.0106, 11.1193,

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

23.0106, 11.1193, 34.6517

Protanopia

13.9924, 11.8599, 54.3750

Deuteranopia

12.0156, 11.7584, 30.9145



Tritanopia

17.4886, 11.5373, 6.6154

Trichromacy



Original Color

23.0106, 11.1193, 34.6517



Protanomaly

12.2023, 7.6128, 46.1737



Deuteranomaly

13.2941, 8.6471, 31.9787



Tritanomaly

18.4176, 10.3497, 13.3389

Monochromacy



Original Color

23.0106, 11.1193, 34.6517



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.2428, 5.8248, 13.2075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0106, 11.1193, 34.6517 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, 0, 161)` looks like.

```
.text, #text, p{  
    color:rgb(170, 0, 161)  
}
```

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, 0, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 0, 161) }
```

Border

The CSS property to change the border of an element to XYZ 23.0106, 11.1193, 34.6517 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, 0, 161) }
```


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

```
.border{ border-color:rgb(170, 0, 161) }
```

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

Here you see how a box with a 4 pixel rgb(170, 0, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 0, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 0, 161);  
box-shadow:4px 4px 4px 4px rgb(170, 0,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0106, 11.1193, 34.6517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 0, 161) }
```

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

```
.background{ background-color: rgb(170, 0,  
161) }
```

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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