

Converting Colors

XYZ(23.0271, 11.4748, 32.6060)

Have a look what the booklet for
XYZ(23.0271, 11.4748, 32.6060)
contains.

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Color

**XYZ(22.9958, 11.4591,
32.4523)**

Conversions

Conversions Part 1

Format	Color
Hex	AB119C
RGB	171, 17, 156
RGB Percent	67%, 7%, 61%
CMY	0.3294, 0.9333, 0.3882
CMYK	0.00, 0.90, 0.09, 0.33
HSL	306°, 82%, 37%
HSV	306°, 90%, 67%
XYZ	22.9958, 11.4591, 32.4523
YIQ	78.8920, 47.1650, 75.8770

Conversions

Conversions Part 2

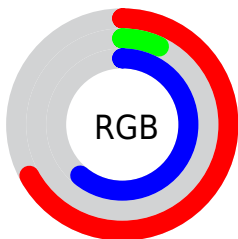
Format	Color
R _Y B	171, 17, 156
Decimal	11211164
CIE Lab	40.34, 68.70, -36.45
CIE LCh	40, 77.772, 332.050
Yxy	11.4591, 0.3437, 0.1713
Android (android.graphics.Color)	4289401244 (0xFFAB119C)
YUV	78.8920, 38.0142, 80.7787
Hunter-Lab	33.8513, 62.0185, -33.1438

Details

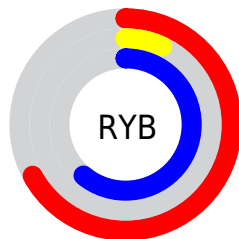
The XYZ color **22.9958, 11.4591, 32.4523** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **15.0554, 29.3498, 6.2391**, and the grayscale version is **7.3359, 7.7179, 8.4048**.

A 20% lighter version of the original color is **47.8807, 28.5056, 64.6066**, and **9.4381, 4.5769, 13.4827** is the 20% darker color. If you saturate the color by 10%, you get **22.6561, 11.0026, 31.6514**, and if you desaturate by 10%, it is **23.5129, 12.2657, 33.3255**.

Distribution



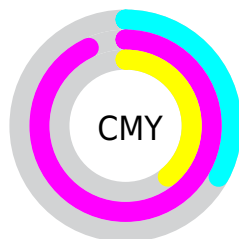
- Red (67%)
- Green (7%)
- Blue (61%)



- Red (67%)
- Yellow (7%)
- Blue (61%)



- Cyan (0%)
- Magenta (90%)
- Yellow (9%)
- Black (33%)




- Cyan (33%)
- Magenta (93%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.9958, 11.4591, 32.4523 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 22.9958, 11.4591, 32.4523 by changing the saturation by 10% instead.


 22.9958, 11.4591,
32.4523


 22.9958, 11.4591,
32.4523


260.2392,
200.7907, 327.7305


 14.7111, 6.3765,
21.4395


 47.8531, 28.5061,
64.6256


 8.7019, 3.0754,
13.2513


 65.1565, 41.2392,
86.6232


 4.6028, 1.1712,
7.4691


 86.1967, 57.2914,
113.1195

 2.0485, 0.0380,
3.6743

 111.3392, 77.0469,
144.5331

 0.6610, 0.0000,
1.4484

 140.9494,
100.8902, 181.2824

 0.0000, 0.0000,
0.1790

 175.3925,

 0.0000, 0.0000,

129.2057, 223.7861

0.0000

215.0340,
162.3777, 272.4626

■ 22.9958, 11.4591,
32.4523

■ 22.9958, 11.4591,
32.4523

■ 22.6561, 11.0026,
31.6514

■ 23.5129, 12.2657,
33.3255

■ 24.2748, 13.5591,
34.2898

■ 25.3138, 15.4035,
35.3561

■ 26.6567, 17.8527,
36.5334

■ 28.3275, 20.9544,
37.8297

■ 30.3474, 24.7513,
39.2520

■ 32.7362, 29.2827,
40.8071

■ 35.5119, 34.5848,
42.5010

■ 38.6915, 40.6915,
44.3393

Harmonies

Analogous

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



17.4411, 11.4591, 59.0103



22.9958, 11.4591, 32.4523



25.0519, 11.4591, 11.4356

Triad

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



22.9958, 11.4591, 32.4523



10.5215, 11.4591, 0.0000



4.2122, 11.4591, 36.0916

Complementary

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



22.9958, 11.4591, 32.4523



15.0554, 29.3498, 6.2391

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.



3.4242, 11.4591, 13.5798



22.9958, 11.4591, 32.4523



6.2291, 11.4591, 0.2544

Square

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



22.9958, 11.4591, 32.4523



16.5688, 11.4591, 0.0599



4.0166, 11.4591, 3.0426



6.6865, 11.4591, 62.0821

Rectangle

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



22.9958, 11.4591, 32.4523



23.7531, 11.4591, 4.2695



4.0166, 11.4591, 3.0426



3.7871, 11.4591, 27.4468

Sweetspot

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



22.9962, 11.4597, 32.4525



55.3865, 46.2878, 70.9911



8.0824, 3.6153, 38.8004



12.0568, 9.7654, 15.6336



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.



22.9962, 11.4597, 32.4525



40.5315, 19.6872, 56.4536



18.4872, 9.6561, 8.7084



8.3029, 8.1344, 9.9061



17.0899, 8.2985, 23.9169



0.4849, 0.2347, 0.7154

Inverse Universe

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



22.9962, 11.4597, 32.4525



40.5315, 19.6872, 56.4536



17.4399, 30.3036, 18.7957



8.3029, 8.1344, 9.9061



17.0899, 8.2985, 23.9169



0.4849, 0.2347, 0.7154

Previews

White Background



This preview shows how the XYZ color 22.9958, 11.4591, 32.4523 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

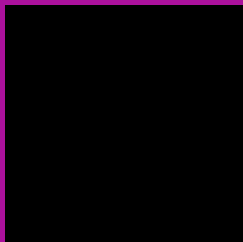
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.9958, 11.4591, 32.4523

Background



This preview shows how black text looks on a background with the XYZ color 22.9958, 11.4591, 32.4523.



This preview shows how white text looks on a background with the XYZ color 22.9958, 11.4591,

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

22.9958, 11.4591, 32.4523

Protanopia

14.1074, 11.9059, 54.9806

Deuteranopia

12.1970, 11.8888, 29.2557



Tritanopia

17.6909, 11.6416, 6.6248

Trichromacy



Original Color

22.9958, 11.4591, 32.4523



Protanomaly

12.4241, 8.2236, 45.7322



Deuteranomaly

13.8189, 9.4675, 29.9532



Tritanomaly

18.7462, 10.8542, 12.9114

Monochromacy



Original Color

22.9958, 11.4591, 32.4523



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

10.7501, 7.3346, 14.7590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9958, 11.4591, 32.4523 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(171, 17, 156)` looks like.

```
.text, #text, p{  
    color:rgb(171, 17, 156)  
}
```

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(171, 17, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 17, 156) }
```

Border

The CSS property to change the border of an element to XYZ 22.9958, 11.4591, 32.4523 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(171, 17, 156) }
```


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

```
.border{ border-color:rgb(171, 17, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 17, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 17, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 17, 156); box-shadow:4px 4px 4px 4px rgb(171, 17, 156) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9958, 11.4591, 32.4523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 17, 156) }
```

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

```
.background{ background-color: rgb(171, 17,  
156) }
```

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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