

Converting Colors

XYZ(23.7592, 8.1930, 34.8477)

Have a look what the booklet for
XYZ(23.7592, 8.1930, 34.8477)
contains.

XYZ(25.9023, 12.5894, 35.7151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.9023, 12.5894,
35.7151)**

Conversions

Conversions Part 1

Format	Color
Hex	B600A3
RGB	182, 0, 163
RGB Percent	71%, 0%, 64%
CMY	0.2863, 0.9999, 0.3608
CMYK	0.00, 1.00, 0.10, 0.29
HSL	306°, 100%, 36%
HSV	306°, 100%, 71%
XYZ	25.9023, 12.5894, 35.7151
YIQ	73.0000, 56.1490, 89.2770

Conversions

Conversions Part 2

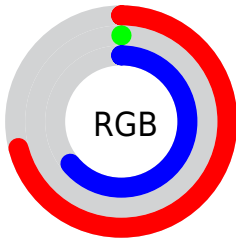
Format	Color
RYB	182, 0, 163
Decimal	11927715
CIELab	42.14, 73.57, -37.69
CIELCh	42, 82.667, 332.873
Yxy	12.5894, 0.3491, 0.1697
Android (android.graphics.Color)	4290117795 (0xFFB600A3)
YUV	73.0000, 44.3700, 95.5930
Hunter-Lab	35.4815, 68.2162, -34.8432

Details

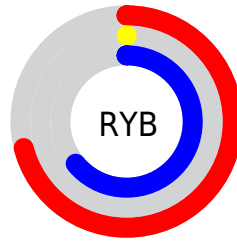
The XYZ color **25.9023, 12.5894, 35.7151** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **16.8462, 33.5036, 6.1960**, and the grayscale version is **6.2532, 6.5789, 7.1644**.

A 20% lighter version of the original color is **52.6006, 30.5948, 69.4627**, and **11.1814, 5.4328, 15.4982** is the 20% darker color. If you saturate the color by 10%, you get **25.9024, 12.5895, 35.7142**, and if you desaturate by 10%, it is **26.2941, 13.0980, 36.6922**.

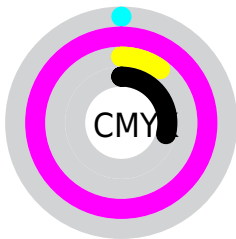
Distribution



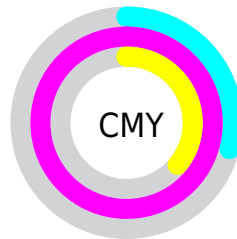
- Red (71%)
- Green (0%)
- Blue (64%)



- Red (71%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (29%)





- Cyan (29%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.9023, 12.5894, 35.7151 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 25.9023, 12.5894, 35.7151 by changing the saturation by 10% instead.


 25.9023, 12.5894,
35.7151


 25.9023, 12.5894,
35.7151

274.5676,
208.2692, 342.7133


 16.8829, 7.1464,
23.9263


 52.5497, 30.5641,
69.7562

 10.2458, 3.5538,
15.0673


 70.9084, 43.8647,
92.8456


 5.6257, 1.4273,
8.7195


 93.1109, 60.5532,
120.5389

 2.6574, 0.2367,
4.4643

 119.5225, 81.0141,
153.2546

 0.9753, 0.0000,
1.8834

 150.5087,
105.6317, 191.4114

 0.0000, 0.0000,
0.4821

 186.4347,

 0.0000, 0.0000,

134.7905, 235.4277

0.0000

227.6659,
168.8749, 285.7222

■ 25.9023, 12.5894,
35.7151

■ 25.9023, 12.5894,
35.7151

■ 25.9024, 12.5895,
35.7142

■ 26.2941, 13.0980,
36.6922

■ 26.8920, 14.0153,
37.7506

■ 27.7733, 15.4951,
38.9162

■ 28.9752, 17.6120,
40.2015

■ 30.5293, 20.4289,
41.6170

■ 32.4632, 24.0015,
43.1720

■ 34.8021, 28.3797,
44.8749

■ 37.5686, 33.6091,
46.7334

■ 40.7840, 39.7319,
48.7545

Harmonies

Analogous

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



19.6130, 12.5894, 66.4760



25.9023, 12.5894, 35.7151



28.1175, 12.5894, 12.0770

Triad

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



25.9023, 12.5894, 35.7151



11.3820, 12.5894, 0.0000



4.5212, 12.5894, 41.5855

Complementary

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



25.9023, 12.5894, 35.7151



16.8462, 33.5036, 6.1960

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.



3.6075, 12.5894, 15.4790



25.9023, 12.5894, 35.7151



6.6204, 12.5894, 0.2253

Square

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



25.9023, 12.5894, 35.7151



18.2182, 12.5894, 0.0000



4.2180, 12.5894, 3.3300



7.3378, 12.5894, 71.4665

Rectangle

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



25.9023, 12.5894, 35.7151



26.5289, 12.5894, 4.2996



4.2180, 12.5894, 3.3300



4.0353, 12.5894, 31.5673

Sweetspot

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



25.9028, 12.5900, 35.7153



62.8561, 51.0022, 81.1896



8.6974, 3.5086, 44.4754



13.4726, 10.4945, 17.6395



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.



25.9028, 12.5900, 35.7153



46.9079, 22.8035, 64.4740



20.4883, 10.4242, 7.2031



9.3394, 9.1461, 11.1349



18.3062, 8.8962, 25.2968



0.6570, 0.3183, 0.9534

Inverse Universe

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



25.9028, 12.5900, 35.7153



46.9079, 22.8035, 64.4740



19.5000, 34.5651, 20.1710



9.3394, 9.1461, 11.1349



18.3062, 8.8962, 25.2968



0.6570, 0.3183, 0.9534

Previews

White Background



This preview shows how the XYZ color 25.9023, 12.5894, 35.7151 looks on a white background.

Color Contrast Check

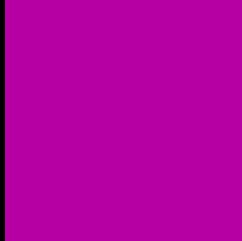
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.9023, 12.5894, 35.7151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

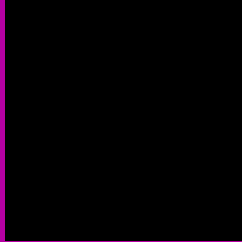
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.9023, 12.5894, 35.7151

Background



This preview shows how black text looks on a background with the XYZ color 25.9023, 12.5894, 35.7151.



This preview shows how white text looks on a background with the XYZ color 25.9023, 12.5894,

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

25.9023, 12.5894, 35.7151

Protanopia

15.7528, 13.2894, 61.4094

Deuteranopia

13.5453, 13.2270, 31.9761



Tritanopia

20.1104, 12.9684, 6.9121

Trichromacy



Original Color

25.9023, 12.5894, 35.7151



Protanomaly

13.4838, 8.4093, 50.7816



Deuteranomaly

15.1217, 9.8141, 32.9956



Tritanomaly

21.1456, 11.7953, 13.9942

Monochromacy



Original Color

25.9023, 12.5894, 35.7151



Achromatopsia

6.3328, 6.6626, 7.2556



Achromatomaly

10.3886, 6.5053, 14.3438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.9023, 12.5894, 35.7151 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(182, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(182, 0, 163)  
}
```

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(182, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 25.9023, 12.5894, 35.7151 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(182, 0, 163) }
```


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

```
.border{ border-color:rgb(182, 0, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 0, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(182, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 25.9023, 12.5894, 35.7151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 0, 163) }
```

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

```
.background{ background-color: rgb(182, 0,  
163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor