

Converting Colors

XYZ(11.7289, 6.2903, 10.1023)

Have a look what the booklet for
XYZ(11.7289, 6.2903, 10.1023)
contains.

XYZ(11.7824, 6.3206, 10.0502)	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(11.7824, 6.3206,
10.0502)**

Conversions

Conversions Part 1

Format	Color
Hex	851759
RGB	133, 23, 89
RGB Percent	52%, 9%, 35%
CMY	0.4784, 0.9098, 0.6510
CMYK	0.00, 0.83, 0.33, 0.48
HSL	324°, 71%, 31%
HSV	324°, 83%, 52%
XYZ	11.7824, 6.3206, 10.0502
YIQ	63.4140, 44.3740, 43.8460

Conversions

Conversions Part 2

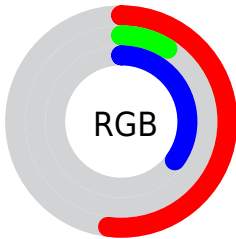
Format	Color
R_{YB}	133, 23, 89
Decimal	8722265
CIE _{Lab}	30.21, 50.14, -10.72
CIE _{LCh}	30, 51.271, 347.933
Yxy	6.3206, 0.4185, 0.2245
Android (android.graphics.Color)	4286912345 (0xFF851759)
YUV	63.4140, 12.6139, 61.0269
Hunter-Lab	25.1408, 39.6588, -6.1030

Details

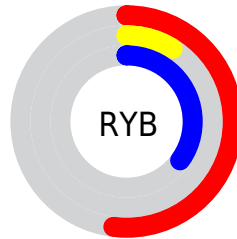
The XYZ color **11.7824, 6.3206, 10.0502** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **9.7544, 17.3626, 8.1487**, and the grayscale version is **4.7637, 5.0118, 5.4579**.

A 20% lighter version of the original color is **28.8378, 18.6961, 26.5149**, and **3.6605, 1.8367, 2.4471** is the 20% darker color. If you saturate the color by 10%, you get **11.3659, 5.8324, 8.8486**, and if you desaturate by 10%, it is **12.3479, 7.0810, 11.3812**.

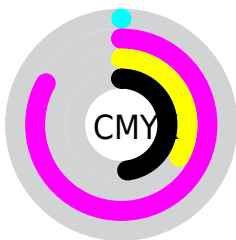
Distribution



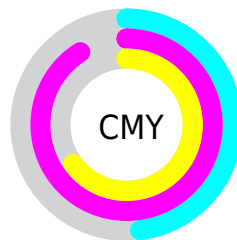
- Red (52%)
- Green (9%)
- Blue (35%)



- Red (52%)
- Yellow (9%)
- Blue (35%)



- Cyan (0%)
- Magenta (83%)
- Yellow (33%)
- Black (48%)



- Cyan (48%)
- Magenta (91%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7824, 6.3206, 10.0502 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 11.7824, 6.3206, 10.0502 by changing the saturation by 10% instead.

■ 11.7824, 6.3206,
10.0502

■ 11.7824, 6.3206,
10.0502

196.7588,
161.8927, 201.5278

■ 6.6668, 3.0410,
5.3262

■ 28.7185, 18.5928,
26.4992

■ 3.2991, 1.1532,
2.3778

■ 41.2697, 28.3541,
39.0612

■ 1.3138, 0.0230,
0.7743

■ 57.0302, 41.0448,
55.0731

■ 0.1935, 0.0000,
0.0000


■ 76.3652, 57.0493,
74.9532

■ 0.0000, 0.0000,
0.0000

■ 99.6403, 76.7519,
99.1202


■ 127.2207,

100.5371, 127.9926


 159.4717,
128.7893, 161.9890

 11.7824, 6.3206,
10.0502


 11.7824, 6.3206,
10.0502


 11.3659, 5.8324,
8.8486


 12.3479, 7.0810,
11.3812

 11.1133, 5.5627,
8.0380

 13.0797, 8.1476,
12.8490

 13.9931, 9.5506,
14.4601

 15.1015, 11.3161,
16.2207

 16.4170, 13.4680,
18.1362

■ 17.9505, 16.0276,
20.2118

■ 19.7123, 19.0150,
22.4522

■ 21.7120, 22.4489,
24.8621

■ 23.9586, 26.3469,
27.4459

Harmonies

Analogous

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



10.1518, 6.3206, 20.1745



11.7824, 6.3206, 10.0502



11.5909, 6.3206, 3.5480

Triad

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



11.7824, 6.3206, 10.0502



4.6893, 6.3206, 0.2308



3.4044, 6.3206, 22.2088

Complementary

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



11.7824, 6.3206, 10.0502



9.7544, 17.3626, 8.1487

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.



2.5863, 6.3206, 11.8375



11.7824, 6.3206, 10.0502



3.1796, 6.3206, 1.2666

Square

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



11.7824, 6.3206, 10.0502



7.0306, 6.3206, 0.1359



2.5169, 6.3206, 4.4613



5.0889, 6.3206, 29.7681

Rectangle

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



11.7824, 6.3206, 10.0502



10.4600, 6.3206, 1.5193



2.5169, 6.3206, 4.4613



3.0410, 6.3206, 18.7077

Sweetspot

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



11.7826, 6.3209, 10.0503



31.3172, 27.3108, 35.0995



6.8553, 3.5001, 22.5045



6.8696, 5.8422, 7.6570



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



11.7826, 6.3209, 10.0503



19.8769, 9.9819, 14.1707



10.2683, 5.7152, 2.0759



4.7811, 4.7321, 5.4595



10.5897, 5.3002, 7.6776



0.0403, 0.0198, 0.0456

Inverse Universe

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



11.7826, 6.3209, 10.0503



19.8769, 9.9819, 14.1707



12.2539, 18.3624, 21.3110



4.7811, 4.7321, 5.4595



10.5897, 5.3002, 7.6776



0.0403, 0.0198, 0.0456

Previews

White Background



This preview shows how the XYZ color 11.7824, 6.3206, 10.0502 looks on a white background.

Color Contrast Check

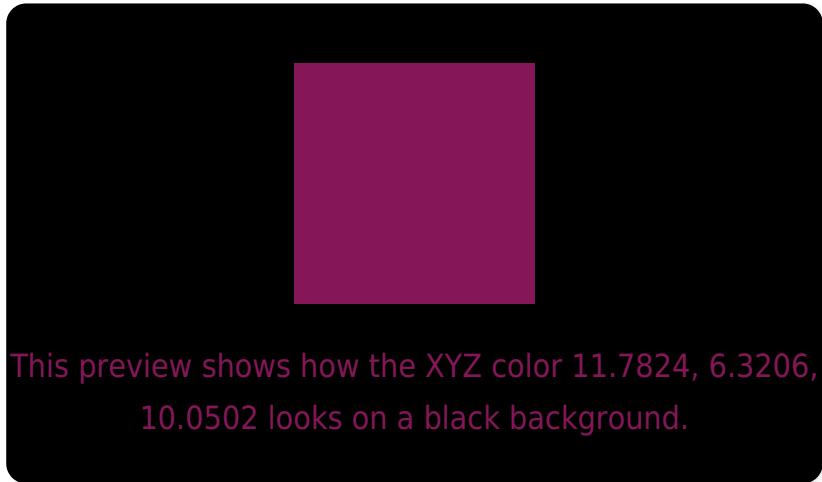
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 11.7824, 6.3206, 10.0502

Background



This preview shows how black text looks on a background with the XYZ color 11.7824, 6.3206, 10.0502.



This preview shows how white text looks on a background with the XYZ color 11.7824, 6.3206,

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

11.7824, 6.3206, 10.0502

Protanopia

7.1823, 6.6417, 19.3158

Deuteranopia

6.7162, 6.6269, 9.1087



Tritanopia

10.3826, 6.4306, 2.8845

Trichromacy



Original Color

11.7824, 6.3206, 10.0502

Protanomaly

7.5270, 5.5135, 15.4193

Deuteranomaly

7.7827, 5.7810, 9.3000

Tritanomaly

10.7215, 6.2851, 4.7857

Monochromacy



Original Color

11.7824, 6.3206, 10.0502

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

6.2512, 4.6565, 6.7002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7824, 6.3206, 10.0502 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(133, 23, 89)` looks like.

```
.text, #text, p{  
    color:rgb(133, 23, 89)  
}
```

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(133, 23, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 23, 89) }
```

Border

The CSS property to change the border of an element to XYZ 11.7824, 6.3206, 10.0502 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(133, 23, 89) }
```


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

```
.border{ border-color:rgb(133, 23, 89) }
```

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

Here you see how a box with a 4 pixel rgb(133, 23, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 23, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 23, 89);  
box-shadow:4px 4px 4px 4px rgb(133, 23,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7824, 6.3206, 10.0502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 23, 89) }
```

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

```
.background{ background-color: rgb(133, 23,  
89) }
```

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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