

Converting Colors

XYZ(12.2147, 6.1401, 7.6558)

Have a look what the booklet for
XYZ(12.2147, 6.1401, 7.6558)
contains.

XYZ(12.1904, 6.1255, 7.7476)	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(12.1904, 6.1255,
7.7476)**

Conversions

Conversions Part 1

Format	Color
Hex	8C004E
RGB	140, 0, 78
RGB Percent	55%, 0%, 31%
CMY	0.4510, 0.9999, 0.6941
CMYK	0.00, 1.00, 0.44, 0.45
HSL	327°, 100%, 27%
HSV	327°, 100%, 55%
XYZ	12.1904, 6.1255, 7.7476
YIQ	50.7520, 58.4020, 53.9380

Conversions

Conversions Part 2

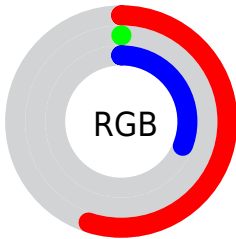
Format	Color
R_{YB}	140, 0, 78
Decimal	9175118
CIE _{Lab}	29.73, 55.05, -4.04
CIE _{LCh}	30, 55.202, 355.806
Yxy	6.1255, 0.4677, 0.2350
Android (android.graphics.Color)	4287365198 (0xFF8C004E)
YUV	50.7520, 13.4333, 78.2705
Hunter-Lab	24.7497, 44.6075, -1.2352

Details

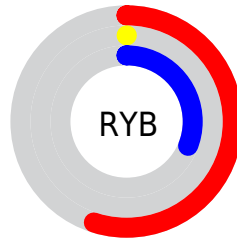
The XYZ color **12.1904, 6.1255, 7.7476** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.2482, 19.1043, 7.7069**, and the grayscale version is **3.0991, 3.2605, 3.5507**.

A 20% lighter version of the original color is **29.4368, 18.1728, 22.0349**, and **3.9449, 2.0003, 1.6916** is the 20% darker color. If you saturate the color by 10%, you get **12.1902, 6.1254, 7.7464**, and if you desaturate by 10%, it is **12.5806, 6.5332, 9.0268**.

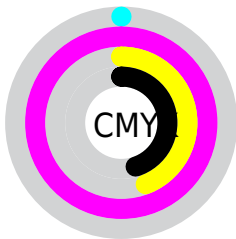
Distribution



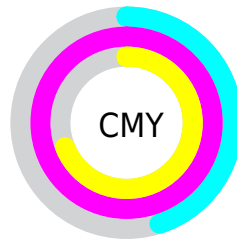
- Red (55%)
- Green (0%)
- Blue (31%)



- Red (55%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (45%)





- Cyan (45%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1904, 6.1255, 7.7476 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 12.1904, 6.1255, 7.7476 by changing the saturation by 10% instead.


 12.1904, 6.1255,
7.7476

 12.1904, 6.1255,
7.7476


199.4060,
160.1858, 183.5987


 6.9466, 2.9215,
3.8484


 29.4553, 18.1910,
22.0001


 3.4748, 1.0909,
1.5426

 42.2070, 27.8213,
33.1905


 1.4095, 0.0000,
0.2493

 58.1922, 40.3624,
47.6483

 0.2630, 0.0000,
0.0000

 77.7761, 56.1989,
65.7922

 0.0000, 0.0000,
0.0000

 101.3241, 75.7151,
88.0406

 129.2015, 99.2954,

114.8122

161.7737,
127.3241, 146.5254

12.1904, 6.1255,
7.7476

12.1904, 6.1255,
7.7476

12.1902, 6.1254,
7.7464

12.5806, 6.5332,
9.0268

13.0935, 7.1517,
10.4531

13.7829, 8.0881,
12.0470

14.6685, 9.3806,
13.8177

15.7669, 11.0619,
15.7732

■ 17.0930, 13.1610,
17.9208

■ 18.6604, 15.7041,
20.2673

■ 20.4815, 18.7153,
22.8192

■ 22.5676, 22.2169,
25.5823

Harmonies

Analogous

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



10.8780, 6.1255, 18.0476



12.1904, 6.1255, 7.7476



11.4298, 6.1255, 2.2409

Triad

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



12.1904, 6.1255, 7.7476



3.9417, 6.1255, 0.1088



3.4829, 6.1255, 26.2643

Complementary

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



12.1904, 6.1255, 7.7476



10.2482, 19.1043, 7.7069

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.



2.4352, 6.1255, 14.8162



12.1904, 6.1255, 7.7476



2.6409, 6.1255, 1.4880

Square

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



12.1904, 6.1255, 7.7476



6.1872, 6.1255, 0.0000



2.1792, 6.1255, 5.6966



5.4716, 6.1255, 32.6697

Rectangle

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



12.1904, 6.1255, 7.7476



9.9412, 6.1255, 0.8162



2.1792, 6.1255, 5.6966



3.0345, 6.1255, 22.6008

Sweetspot

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



12.1906, 6.1259, 7.7477



32.7082, 27.3743, 35.4553



6.6383, 2.8756, 25.0162



7.2902, 5.9056, 7.8070



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.1906, 6.1259, 7.7477



21.4100, 10.7667, 13.2264



10.8666, 5.5963, 0.7759



5.1418, 5.0922, 5.8354



10.8415, 5.4467, 6.9357



0.0794, 0.0391, 0.0850

Inverse Universe

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



12.1906, 6.1259, 7.7477



21.4100, 10.7667, 13.2264



13.4526, 20.3860, 24.5808



5.1418, 5.0922, 5.8354



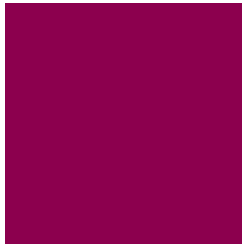
10.8415, 5.4467, 6.9357



0.0794, 0.0391, 0.0850

Previews

White Background



This preview shows how the XYZ color 12.1904, 6.1255, 7.7476 looks on a white background.

Color Contrast Check

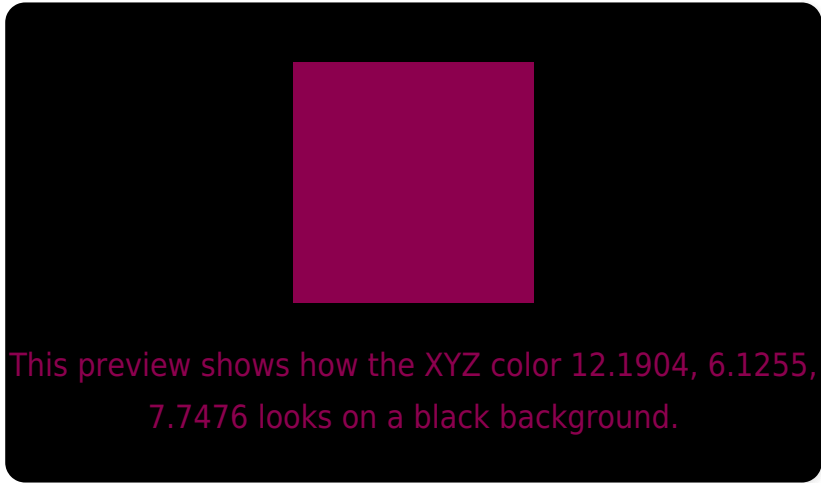
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1904, 6.1255, 7.7476

Background



This preview shows how black text looks on a background with the XYZ color 12.1904, 6.1255, 7.7476.



This preview shows how white text looks on a background with the XYZ color 12.1904, 6.1255,

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

12.1904, 6.1255, 7.7476

Protanopia

7.0456, 6.7344, 16.2578

Deuteranopia

6.8163, 6.7237, 7.0694



Tritanopia

11.2185, 6.4822, 1.9562

Trichromacy



Original Color

12.1904, 6.1255, 7.7476

Protanomaly

7.3017, 4.9488, 12.6270

Deuteranomaly

7.6539, 5.1960, 7.0781

Tritanomaly

11.4311, 6.2027, 3.3911

Monochromacy



Original Color

12.1904, 6.1255, 7.7476

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9261, 3.2089, 4.7746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1904, 6.1255, 7.7476 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(140, 0, 78)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 78)  
}
```

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(140, 0, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 78) }
```

Border

The CSS property to change the border of an element to XYZ 12.1904, 6.1255, 7.7476 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(140, 0, 78) }
```


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

```
.border{ border-color:rgb(140, 0, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 0, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 78);  
box-shadow:4px 4px 4px 4px rgb(140, 0, 78)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1904, 6.1255, 7.7476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 78) }
```

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

```
.background{ background-color: rgb(140, 0,  
78) }
```

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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