

Converting Colors

XYZ(19.7021, 10.0151, 7.3261)

Have a look what the booklet for
XYZ(19.7021, 10.0151, 7.3261)
contains.

XYZ(19.5961, 9.9594, 7.3681)	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(19.5961, 9.9594,
7.3681)**

Conversions

Conversions Part 1

Format	Color
Hex	B2004A
RGB	178, 0, 74
RGB Percent	70%, 0%, 29%
CMY	0.3020, 0.9999, 0.7098
CMYK	0.00, 1.00, 0.58, 0.30
HSL	335°, 100%, 35%
HSV	335°, 100%, 70%
XYZ	19.5961, 9.9594, 7.3681
YIQ	61.6580, 82.3340, 60.7500

Conversions

Conversions Part 2

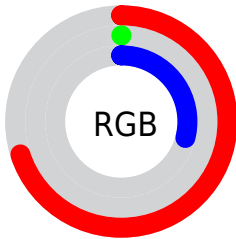
Format	Color
R_{YB}	178, 0, 74
Decimal	11665482
CIE _{Lab}	37.77, 63.61, 11.21
CIE _{LCh}	38, 64.594, 9.990
Yxy	9.9594, 0.5307, 0.2697
Android (android.graphics.Color)	4289855562 (0xFFB2004A)
YUV	61.6580, 6.0846, 102.0319
Hunter-Lab	31.5585, 55.6113, 8.2483

Details

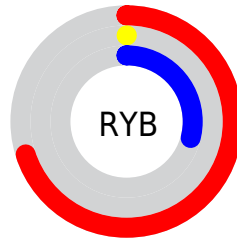
The XYZ color **19.5961, 9.9594, 7.3681** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **18.4209, 32.8409, 18.4729**, and the grayscale version is **4.5152, 4.7503, 5.1731**.

A 20% lighter version of the original color is **42.3905, 25.8153, 21.1610**, and **7.7185, 3.9505, 1.6520** is the 20% darker color. If you saturate the color by 10%, you get **19.5954, 9.9591, 7.3649**, and if you desaturate by 10%, it is **20.1896, 10.5385, 9.4403**.

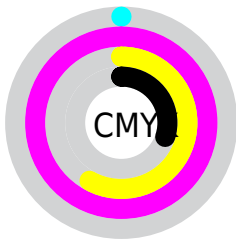
Distribution



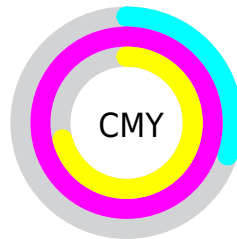
- Red (70%)
- Green (0%)
- Blue (29%)



- Red (70%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (30%)




- Cyan (30%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5961, 9.9594, 7.3681 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 19.5961, 9.9594, 7.3681 by changing the saturation by 10% instead.


 19.5961, 9.9594,
7.3681


 19.5961, 9.9594,
7.3681


242.5956,
190.3821, 180.4336


 12.2083, 5.3720,
3.6114


 42.2481, 25.7191,
21.2353

 6.9589, 2.4672,
1.4147


 58.2431, 37.6603,
32.1830


 3.4825, 0.8601,
0.1531

 77.8378, 52.8215,
46.3647

 1.4138, 0.0000,
0.0000

 101.3977, 71.5871,
64.1991

 0.2660, 0.0000,
0.0000

 129.2880, 94.3416,
86.1046

 0.0000, 0.0000,
0.0000

 161.8742,

121.4693, 112.4999

199.5216,
153.3547, 143.8033

■ 19.5961, 9.9594,
7.3681

■ 19.5961, 9.9594,
7.3681

■ 19.5954, 9.9591,
7.3649

■ 20.1896, 10.5385,
9.4403

■ 21.0364, 11.5271,
11.8960

■ 22.2132, 13.0748,
14.7730

■ 23.7575, 15.2527,
18.0954

■ 25.7014, 18.1215,
21.8849

■ 28.0733, 21.7344,
26.1615

■ 30.8987, 26.1396,
30.9436

■ 34.2014, 31.3811,
36.2489

■ 38.0030, 37.4996,
42.0937

Harmonies

Analogous

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



19.0206, 9.9594, 20.5969



19.5961, 9.9594, 7.3681



16.9171, 9.9594, 1.8262

Triad

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



19.5961, 9.9594, 7.3681



5.2363, 9.9594, 1.0986



7.0079, 9.9594, 49.1304

Complementary

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



19.5961, 9.9594, 7.3681



18.4209, 32.8409, 18.4729

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.



4.6048, 9.9594, 32.9075



19.5961, 9.9594, 7.3681



3.8067, 9.9594, 4.7900

Square

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



19.5961, 9.9594, 7.3681



8.1584, 9.9594, 0.1052



3.6151, 9.9594, 15.2706



10.9065, 9.9594, 51.9899

Rectangle

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



19.5961, 9.9594, 7.3681



14.0022, 9.9594, 0.6422



3.6151, 9.9594, 15.2706



6.0337, 9.9594, 44.6970

Sweetspot

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



19.5963, 9.9600, 7.3682



55.7367, 46.9362, 55.6254



13.7272, 6.1489, 42.5825



11.8566, 9.6283, 11.5022



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.5963, 9.9600, 7.3682



35.4269, 18.0170, 12.7849



18.5290, 9.8027, 0.9164



8.6380, 8.5619, 9.5919



14.0507, 7.1378, 5.4269



0.4714, 0.2363, 0.3253

Inverse Universe

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



19.5963, 9.9600, 7.3682



35.4269, 18.0170, 12.7849



21.1634, 29.4689, 46.6918



8.6380, 8.5619, 9.5919



14.0507, 7.1378, 5.4269



0.4714, 0.2363, 0.3253

Previews

White Background



This preview shows how the XYZ color 19.5961, 9.9594, 7.3681 looks on a white background.

Color Contrast Check

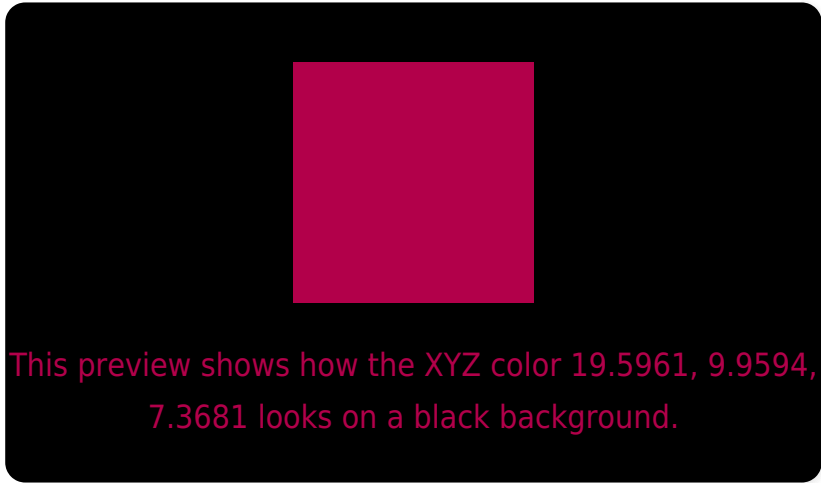
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5961, 9.9594, 7.3681

Background



This preview shows how black text looks on a background with the XYZ color 19.5961, 9.9594, 7.3681.



This preview shows how white text looks on a background with the XYZ color 19.5961, 9.9594,

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

19.5961, 9.9594, 7.3681

Protanopia

10.4724, 10.6396, 15.6891

Deuteranopia

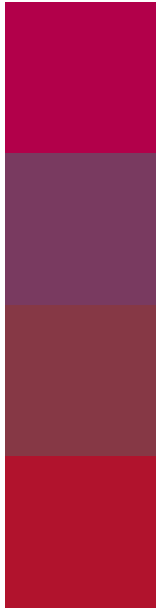
10.7798, 10.6240, 6.6367



Tritanopia

18.5784, 10.2425, 2.0964

Trichromacy



Original Color

19.5961, 9.9594, 7.3681

Protanomaly

11.5095, 7.9356, 11.9914

Deuteranomaly

12.3199, 8.3264, 6.5880

Tritanomaly

18.8380, 10.0023, 3.4204

Monochromacy



Original Color

19.5961, 9.9594, 7.3681

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.4178, 4.7874, 5.6874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5961, 9.9594, 7.3681 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(178, 0, 74)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 74)  
}
```

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(178, 0, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 74) }
```

Border

The CSS property to change the border of an element to XYZ 19.5961, 9.9594, 7.3681 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(178, 0, 74) }
```


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

```
.border{ border-color:rgb(178, 0, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 0, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 74);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5961, 9.9594, 7.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 0, 74) }
```

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

```
.background{ background-color: rgb(178, 0,  
74) }
```

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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