

Converting Colors

XYZ(19.8847, 10.0881, 8.2882)

Have a look what the booklet for
XYZ(19.8847, 10.0881, 8.2882)
contains.

XYZ(19.7714, 10.0295, 8.2910)	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(19.7714, 10.0295,
8.2910)**

Conversions

Conversions Part 1

Format	Color
Hex	B2004F
RGB	178, 0, 79
RGB Percent	70%, 0%, 31%
CMY	0.3020, 0.9999, 0.6902
CMYK	0.00, 1.00, 0.56, 0.30
HSL	333°, 100%, 35%
HSV	333°, 100%, 70%
XYZ	19.7714, 10.0295, 8.2910
YIQ	62.2280, 80.7290, 62.3050

Conversions

Conversions Part 2

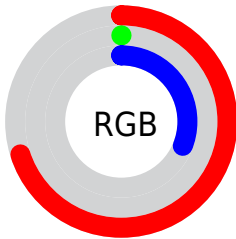
Format	Color
R_YB	178, 0, 79
Decimal	11665487
CIE _{Lab}	37.90, 63.95, 8.15
CIE _{LCh}	38, 64.468, 7.265
Yxy	10.0295, 0.5190, 0.2633
Android (android.graphics.Color)	4289855567 (0xFFB2004F)
YUV	62.2280, 8.2686, 101.5320
Hunter-Lab	31.6694, 56.0173, 6.6465

Details

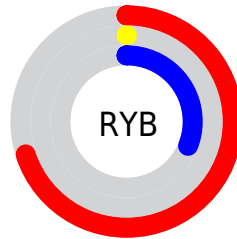
The XYZ color **19.7714, 10.0295, 8.2910** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **18.1742, 32.7423, 17.1737**, and the grayscale version is **4.5943, 4.8335, 5.2637**.

A 20% lighter version of the original color is **42.4353, 25.7941, 23.1642**, and **7.7746, 3.9729, 1.9472** is the 20% darker color. If you saturate the color by 10%, you get **19.7707, 10.0292, 8.2879**, and if you desaturate by 10%, it is **20.3726, 10.6117, 10.4041**.

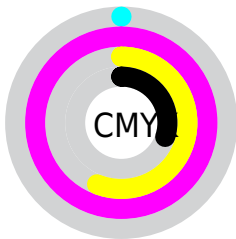
Distribution



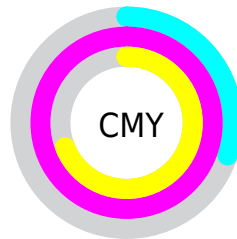
- Red (70%)
- Green (0%)
- Blue (31%)



- Red (70%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (30%)





- Cyan (30%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7714, 10.0295, 8.2910 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 19.7714, 10.0295, 8.2910 by changing the saturation by 10% instead.


 19.7714, 10.0295,
8.2910


 19.7714, 10.0295,
8.2910


243.5321,
190.8825, 188.0160


 12.3363, 5.4185,
4.1913


 42.5405, 25.8510,
23.0825


 7.0470, 2.4949,
1.7309


 58.6051, 37.8303,
34.6113


 3.5381, 0.8741,
0.3817

 78.2770, 53.0344,
49.4537

 1.4443, 0.0000,
0.0000

 101.9214, 71.8479,
68.0280

 0.2874, 0.0000,
0.0000

 129.9038, 94.6550,
90.7528

 0.0000, 0.0000,
0.0000

 162.5895,

121.8402, 118.0467

200.3438,
153.7879, 150.3283

■ 19.7714, 10.0295,
8.2910

■ 19.7714, 10.0295,
8.2910

■ 19.7707, 10.0292,
8.2879

■ 20.3726, 10.6117,
10.4041

■ 21.2225, 11.6015,
12.8760

■ 22.3973, 13.1483,
15.7423

■ 23.9341, 15.3232,
19.0254

■ 25.8647, 18.1866,
22.7451

■ 28.2172, 21.7917,
26.9197

■ 31.0168, 26.1865,
31.5662

■ 34.2870, 31.4150,
36.7006

■ 38.0492, 37.5176,
42.3380

Harmonies

Analogous

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



18.8857, 10.0295, 22.2703



19.7714, 10.0295, 8.2910



17.3465, 10.0295, 2.1298

Triad

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



19.7714, 10.0295, 8.2910



5.4895, 10.0295, 0.9810



6.7828, 10.0295, 48.1580

Complementary

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



19.7714, 10.0295, 8.2910



18.1742, 32.7423, 17.1737

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.



4.5089, 10.0295, 31.2737



19.7714, 10.0295, 8.2910



3.9267, 10.0295, 4.2810

Square

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



19.7714, 10.0295, 8.2910



8.5640, 10.0295, 0.0969



3.6285, 10.0295, 14.0542



10.5720, 10.0295, 52.5432

Rectangle

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



19.7714, 10.0295, 8.2910



14.5006, 10.0295, 0.7766



3.6285, 10.0295, 14.0542



5.8529, 10.0295, 43.3679

Sweetspot

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



19.7717, 10.0301, 8.2911



55.9540, 47.0232, 56.7698



13.0638, 5.8068, 42.5516



11.9093, 9.6494, 11.7798



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.



19.7717, 10.0301, 8.2911



35.7415, 18.1428, 14.4416



18.4571, 9.6588, 0.8924



8.6478, 8.5658, 9.6438



14.1769, 7.1883, 6.0917



0.4756, 0.2380, 0.3471

Inverse Universe

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



19.7717, 10.0301, 8.2911



35.7415, 18.1428, 14.4416



22.2430, 31.6281, 47.0518



8.6478, 8.5658, 9.6438



14.1769, 7.1883, 6.0917



0.4756, 0.2380, 0.3471

Previews

White Background



This preview shows how the XYZ color 19.7714, 10.0295, 8.2910 looks on a white background.

Color Contrast Check

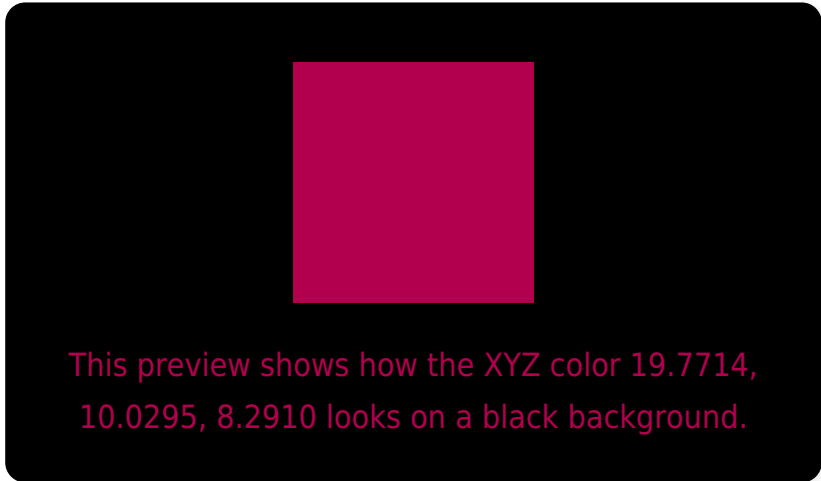
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7714, 10.0295, 8.2910

Background



This preview shows how black text looks on a background with the XYZ color 19.7714, 10.0295, 8.2910.



This preview shows how white text looks on a background with the XYZ color 19.7714, 10.0295,

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

19.7714, 10.0295, 8.2910

Protanopia

10.6733, 10.6984, 17.7221

Deuteranopia

10.8438, 10.6355, 7.6122



Tritanopia

18.6683, 10.3621, 2.3125

Trichromacy



Original Color

19.7714, 10.0295, 8.2910

Protanomaly

11.5191, 7.9074, 13.4895

Deuteranomaly

12.3570, 8.3229, 7.6118

Tritanomaly

18.9151, 10.0608, 3.7413

Monochromacy



Original Color

19.7714, 10.0295, 8.2910

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.4778, 4.8114, 6.0034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7714, 10.0295, 8.2910 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(178, 0, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 0, 79) }
```

Border

The CSS property to change the border of an element to XYZ 19.7714, 10.0295, 8.2910 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, 79) }
```


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

```
.border{ border-color:rgb(178, 0, 79) }
```

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, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(178, 0, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.7714, 10.0295, 8.2910 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, 79) }
```

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

```
.background{ background-color: rgb(178, 0,  
79) }
```

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