

Converting Colors

XYZ(20.9988, 13.2457, 8.4622)

Have a look what the booklet for
XYZ(20.9988, 13.2457, 8.4622)
contains.

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Color

**XYZ(20.9667, 13.2112,
8.4661)**

Conversions

Conversions Part 1

Format	Color
Hex	B03E4D
RGB	176, 62, 77
RGB Percent	69%, 24%, 30%
CMY	0.3098, 0.7568, 0.6980
CMYK	0.00, 0.65, 0.56, 0.31
HSL	352°, 48%, 47%
HSV	352°, 65%, 69%
XYZ	20.9667, 13.2112, 8.4661
YIQ	97.7960, 63.1290, 28.8330

Conversions

Conversions Part 2

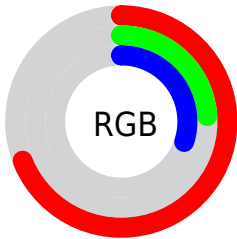
Format	Color
RYB	176, 62, 77
Decimal	11550285
CIELab	43.08, 47.46, 16.50
CIElCh	43, 50.243, 19.170
Yxy	13.2112, 0.4917, 0.3098
Android (android.graphics.Color)	4289740365 (0xFFB03E4D)
YUV	97.7960, -10.2524, 68.5849
Hunter-Lab	36.3472, 39.3592, 11.6330

Details

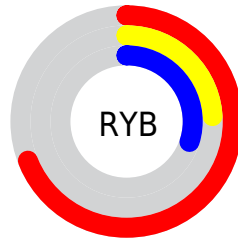
The XYZ color **20.9667, 13.2112, 8.4661** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.9459, 34.6484, 39.1470**, and the grayscale version is **11.5731, 12.1758, 13.2594**.

A 20% lighter version of the original color is **44.4887, 31.6007, 23.4934**, and **7.7457, 3.9614, 1.7952** is the 20% darker color. If you saturate the color by 10%, you get **19.6821, 11.4066, 5.6809**, and if you desaturate by 10%, it is **22.6887, 15.6877, 12.0230**.

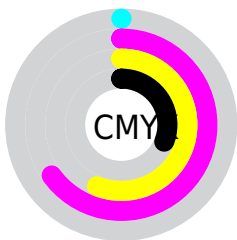
Distribution



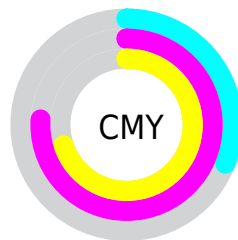
- Red (69%)
- Green (24%)
- Blue (30%)



- Red (69%)
- Yellow (24%)
- Blue (30%)



- Cyan (0%)
- Magenta (65%)
- Yellow (56%)
- Black (31%)



- Cyan (31%)
- Magenta (76%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9667, 13.2112, 8.4661 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 20.9667, 13.2112, 8.4661 by changing the saturation by 10% instead.

■ 20.9667, 13.2112,
8.4661

■ 20.9667, 13.2112,
8.4661

249.8365,
212.2668, 189.4125

■ 13.2120, 7.5741,
4.3026

■ 44.5238, 31.6827,
23.4283

■ 7.6527, 3.8237,
1.7928

■ 61.0569, 45.2859,
35.0641

■ 3.9235, 1.5754,
0.4232

■ 81.2468, 62.3133,
50.0278

■ 1.6589, 0.3409,
0.0000

■ 105.4590, 83.1493,
68.7378

■ 0.4303, 0.0000,
0.0000

■ 134.0586,
108.1782, 91.6127

■ 0.0000, 0.0000,
0.0000

167.4112,

137.7845, 119.0711

205.8821,
172.3526, 151.5316

■ 20.9667, 13.2112,
8.4661

■ 20.9667, 13.2112,
8.4661

■ 19.6821, 11.4066,
5.6809

■ 22.6887, 15.6877,
12.0230

■ 18.7936, 10.2058,
3.6088

■ 24.8823, 18.8914,
16.4028

■ 18.2536, 9.5296,
2.1837

■ 27.5793, 22.8740,
21.6531

■ 18.0606, 9.2925,
1.6602

■ 30.8087, 27.6823,
27.8176

■ 34.5969, 33.3590,
34.9372

■ 38.9690, 39.9442,
43.0501

■ 43.9481, 47.4752,
52.1925

■ 49.5563, 55.9874,
62.3989

■ 55.8146, 65.5144,
73.7019

Harmonies

Analogous

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



21.3629, 13.2112, 18.7665



20.9667, 13.2112, 8.4661



18.0701, 13.2112, 3.5420

Triad

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



20.9667, 13.2112, 8.4661



7.7309, 13.2112, 4.4734



11.2114, 13.2112, 47.0557

Complementary

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



20.9667, 13.2112, 8.4661



23.9459, 34.6484, 39.1470

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.



8.2973, 13.2112, 37.2496



20.9667, 13.2112, 8.4661



6.5801, 13.2112, 10.7444

Square

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



20.9667, 13.2112, 8.4661



10.2710, 13.2112, 2.1916



6.7636, 13.2112, 22.5676



15.1590, 13.2112, 45.3122

Rectangle

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



20.9667, 13.2112, 8.4661



15.3896, 13.2112, 2.2524



6.7636, 13.2112, 22.5676



10.0950, 13.2112, 44.8604

Sweetspot

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



20.9670, 13.2119, 8.4663



59.4832, 55.6034, 57.2521



24.2173, 14.1370, 42.5265



12.4808, 11.4359, 11.6356



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.9670, 13.2119, 8.4663



34.8718, 19.5586, 8.4219



23.7048, 19.4393, 7.0612



8.5404, 8.5229, 9.0780



13.2642, 6.8233, 1.2855



0.4317, 0.2204, 0.1161

Inverse Universe

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



20.9670, 13.2119, 8.4663



34.8718, 19.5586, 8.4219



18.3766, 21.2652, 44.2102



8.5404, 8.5229, 9.0780



13.2642, 6.8233, 1.2855



0.4317, 0.2204, 0.1161

Previews

White Background



This preview shows how the XYZ color 20.9667, 13.2112, 8.4661 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

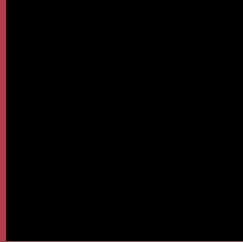
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.9667, 13.2112, 8.4661

Background



This preview shows how black text looks on a background with the XYZ color 20.9667, 13.2112, 8.4661.



This preview shows how white text looks on a background with the XYZ color 20.9667, 13.2112,

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

20.9667, 13.2112, 8.4661

Protanopia

12.8065, 13.4114, 12.9800

Deuteranopia

13.5311, 13.3279, 7.8206



Tritanopia

20.5257, 13.1860, 6.7735

Trichromacy



Original Color

20.9667, 13.2112, 8.4661

Protanomaly

14.5714, 12.3630, 11.0695

Deuteranomaly

15.6064, 12.7288, 7.9377

Tritanomaly

20.5940, 13.1239, 7.4090

Monochromacy



Original Color

20.9667, 13.2112, 8.4661

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.6981, 11.6708, 11.2036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9667, 13.2112, 8.4661 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(176, 62, 77)` looks like.

```
.text, #text, p{  
    color:rgb(176, 62, 77)  
}
```

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(176, 62, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 62, 77) }
```

Border

The CSS property to change the border of an element to XYZ 20.9667, 13.2112, 8.4661 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(176, 62, 77) }
```


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

```
.border{ border-color:rgb(176, 62, 77) }
```

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

Here you see how a box with a 4 pixel rgb(176, 62, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 62, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 62, 77);  
box-shadow:4px 4px 4px 4px rgb(176, 62,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9667, 13.2112, 8.4661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 62, 77) }
```

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

```
.background{ background-color: rgb(176, 62,  
77) }
```

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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