

Converting Colors

XYZ(20.8035, 28.1031, 9.7423)

Have a look what the booklet for
XYZ(20.8035, 28.1031, 9.7423)
contains.

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Color

**XYZ(20.7908, 27.9976,
9.7771)**

Conversions

Conversions Part 1

Format	Color
Hex	7A9B44
RGB	122, 155, 68
RGB Percent	48%, 61%, 27%
CMY	0.5216, 0.3921, 0.7333
CMYK	0.21, 0.00, 0.56, 0.39
HSL	83°, 39%, 44%
HSV	83°, 56%, 61%
XYZ	20.7908, 27.9976, 9.7771
YIQ	135.2150, 8.2590, -34.0530

Conversions

Conversions Part 2

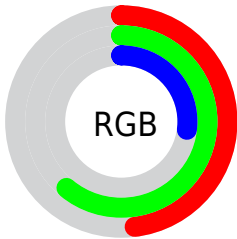
Format	Color
RYB	68, 155, 101
Decimal	8035140
CIELab	59.89, -25.83, 41.28
CIELCh	60, 48.696, 122.039
Yxy	27.9976, 0.3550, 0.4781
Android (android.graphics.Color)	4286225220 (0xFF7A9B44)
YUV	135.2150, -33.1370, -11.5896
Hunter-Lab	52.9128, -22.4600, 26.0835

Details

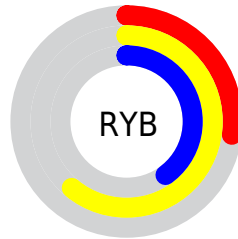
The XYZ color **20.7908, 27.9976, 9.7771** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.3514, 9.2682, 32.0971**, and the grayscale version is **23.2268, 24.4364, 26.6112**.

A 20% lighter version of the original color is **44.2809, 56.6552, 26.0545**, and **7.5773, 11.2432, 2.3011** is the 20% darker color. If you saturate the color by 10%, you get **19.5716, 27.4176, 7.5690**, and if you desaturate by 10%, it is **22.1868, 28.6561, 12.6475**.

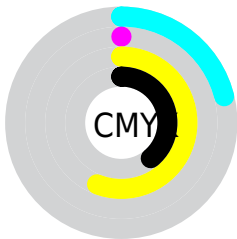
Distribution



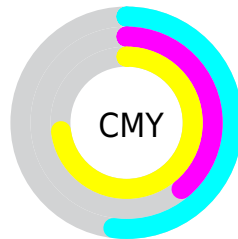
- Red (48%)
- Green (61%)
- Blue (27%)



- Red (27%)
- Yellow (61%)
- Blue (40%)



- Cyan (21%)
- Magenta (0%)
- Yellow (56%)
- Black (39%)





- Cyan (52%)
- Magenta (39%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7908, 27.9976, 9.7771 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 20.7908, 27.9976, 9.7771 by changing the saturation by 10% instead.


 20.7908, 27.9976,
9.7771


 20.7908, 27.9976,
9.7771


248.9174,
292.4554, 199.5004


 13.0828, 18.3239,
5.1478


 44.2330, 56.4806,
25.9766

 7.5630, 11.1827,
2.2740


 60.6979, 76.0587,
38.3839


 3.8660, 6.1899,
0.7166

 80.8124, 99.7069,
54.2209

 1.6266, 2.9609,
0.0000

 104.9420,
127.8098, 73.9061

 0.4097, 1.1113,
0.0000

 133.4519,
160.7517, 97.8581

 0.0000, 0.0000,
0.0000

166.7075,

198.9170, 126.4955

205.0743,
242.6901, 160.2367

■ 20.7908, 27.9976,
9.7771

■ 20.7908, 27.9976,
9.7771

■ 19.5716, 27.4176,
7.5690

■ 22.1868, 28.6561,
12.6475

■ 18.5163, 26.9079,
5.9682

■ 23.7675, 29.3934,
16.2259

■ 17.6128, 26.4646,
4.9140

■ 25.5426, 30.2145,
20.5560

■ 16.8438, 26.0805,
4.3186

■ 27.5204, 31.1228,
25.6772

■ 16.5673, 25.9417,
4.1341

■ 29.7086, 32.1214,
31.6265

■ 32.1146, 33.2135,
38.4385

■ 34.7455, 34.4019,
46.1456

■ 37.6076, 35.6893,
54.7787

■ 40.7075, 37.0783,
64.3673

Harmonies

Analogous

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



26.1903, 27.9976, 7.5521



20.7908, 27.9976, 9.7771



17.4332, 27.9976, 17.1483

Triad

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



20.7908, 27.9976, 9.7771



21.4183, 27.9976, 71.5151



40.3431, 27.9976, 29.2896

Complementary

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



20.7908, 27.9976, 9.7771



13.3514, 9.2682, 32.0971

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.



38.5493, 27.9976, 49.3909



20.7908, 27.9976, 9.7771



27.0360, 27.9976, 78.7215

Square

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



20.7908, 27.9976, 9.7771



17.7541, 27.9976, 52.3412



33.4268, 27.9976, 69.3983



38.0105, 27.9976, 15.7584

Rectangle

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



20.7908, 27.9976, 9.7771



16.4906, 27.9976, 26.0092



33.4268, 27.9976, 69.3983



40.2020, 27.9976, 35.4460

Sweetspot

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



20.7915, 27.9988, 9.7777



48.8379, 55.5307, 44.8024



19.1095, 16.4820, 7.6434



10.9021, 12.4994, 9.7411



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.7915, 27.9988, 9.7777



34.6129, 48.8902, 12.8410



16.0402, 25.5495, 9.5553



6.4817, 7.1058, 6.6358



13.3496, 20.8578, 3.3224



0.2398, 0.3326, 0.0516

Inverse Universe

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



13.3514, 9.2682, 32.0971



19.9996, 12.0199, 56.8023



19.3816, 12.3769, 32.3793



6.0949, 6.1348, 7.7919



6.2310, 2.6632, 25.0933



0.1316, 0.0596, 0.3769

Previews

White Background



This preview shows how the XYZ color 20.7908, 27.9976, 9.7771 looks on a white background.

Color Contrast Check

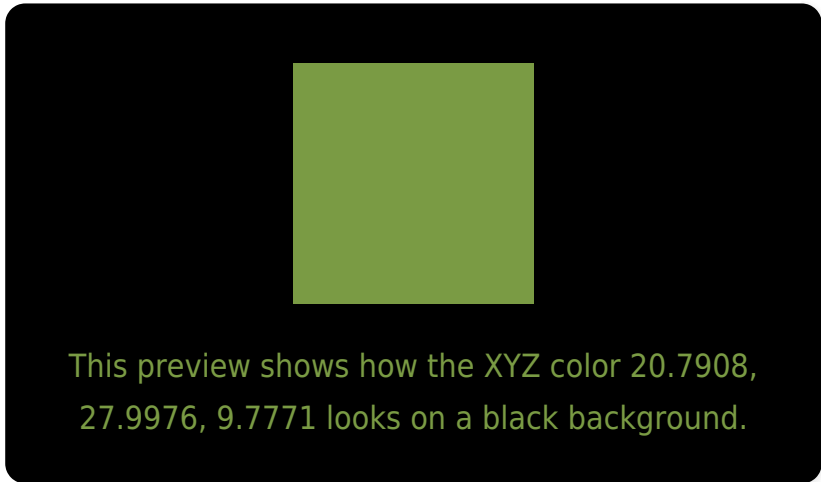
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black 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

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

XYZ 20.7908, 27.9976, 9.7771

Background



This preview shows how black text looks on a background with the XYZ color 20.7908, 27.9976, 9.7771.



This preview shows how white text looks on a background with the XYZ color 20.7908, 27.9976,

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

20.7908, 27.9976, 9.7771

Protanopia

25.4246, 27.8018, 9.0273

Deuteranopia

28.2797, 27.7195, 10.1632



Tritanopia

26.0376, 27.9786, 35.9264

Trichromacy



Original Color

20.7908, 27.9976, 9.7771

Protanomaly

23.4273, 27.6841, 9.2631

Deuteranomaly

25.0152, 27.5695, 9.9642

Tritanomaly

23.5024, 27.6427, 23.4989

Monochromacy



Original Color

20.7908, 27.9976, 9.7771

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.7482, 25.2395, 18.7644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7908, 27.9976, 9.7771 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(122, 155, 68)` looks like.

```
.text, #text, p{  
    color:rgb(122, 155, 68)  
}
```

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(122, 155, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 155, 68) }
```

Border

The CSS property to change the border of an element to XYZ 20.7908, 27.9976, 9.7771 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(122, 155, 68) }
```


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

```
.border{ border-color:rgb(122, 155, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 155, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 155, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 155, 68);  
box-shadow:4px 4px 4px 4px rgb(122, 155,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7908, 27.9976, 9.7771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 155, 68) }
```

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

```
.background{ background-color: rgb(122,  
155, 68) }
```

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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