

Converting Colors

XYZ(19.9104, 27.2385, 7.6612)

Have a look what the booklet for
XYZ(19.9104, 27.2385, 7.6612)
contains.

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Color

**XYZ(19.9672, 27.3706,
7.7207)**

Conversions

Conversions Part 1

Format	Color
Hex	789A36
RGB	120, 154, 54
RGB Percent	47%, 60%, 21%
CMY	0.5294, 0.3961, 0.7882
CMYK	0.22, 0.00, 0.65, 0.40
HSL	80°, 48%, 41%
HSV	80°, 65%, 60%
XYZ	19.9672, 27.3706, 7.7207
YIQ	132.4340, 11.8360, -38.3080

Conversions

Conversions Part 2

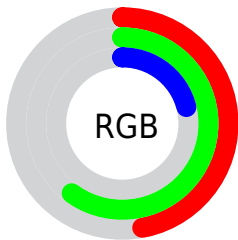
Format	Color
RYB	54, 154, 88
Decimal	7903798
CIELab	59.32, -27.40, 47.07
CIELCh	59, 54.470, 120.206
Yxy	27.3706, 0.3627, 0.4971
Android (android.graphics.Color)	4286093878 (0xFF789A36)
YUV	132.4340, -38.6680, -10.9046
Hunter-Lab	52.3169, -23.4286, 27.8721

Details

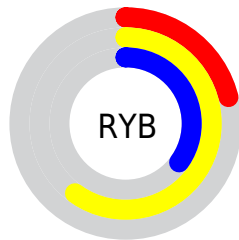
The XYZ color **19.9672, 27.3706, 7.7207** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.1775, 7.0469, 31.3445**, and the grayscale version is **22.2222, 23.3795, 25.4603**.

A 20% lighter version of the original color is **43.0295, 55.7348, 21.8546**, and **7.2341, 10.9294, 1.7283** is the 20% darker color. If you saturate the color by 10%, you get **18.9550, 26.8851, 6.0754**, and if you desaturate by 10%, it is **21.1350, 27.9249, 9.9722**.

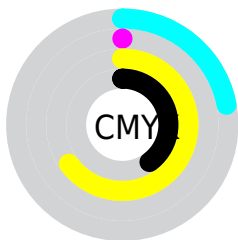
Distribution



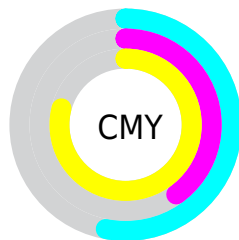
- Red (47%)
- Green (60%)
- Blue (21%)



- Red (21%)
- Yellow (60%)
- Blue (35%)



- Cyan (22%)
- Magenta (0%)
- Yellow (65%)
- Black (40%)



- Cyan (53%)
- Magenta (40%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9672, 27.3706, 7.7207 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 19.9672, 27.3706, 7.7207 by changing the saturation by 10% instead.

■ 19.9672, 27.3706,
7.7207

■ 19.9672, 27.3706,
7.7207

244.5744,
289.4470, 183.3766

■ 12.4793, 17.8517,
3.8316

■ 42.8665, 55.4780,
21.9461

■ 7.1455, 10.8436,
1.5334

■ 59.0087, 74.8353,
33.1195

■ 3.6004, 5.9618,
0.2426

■ 78.7664, 98.2409,
47.5580

■ 1.4787, 2.8218,
0.0000

■ 102.5049,
126.0792, 65.6802

■ 0.3112, 1.0394,
0.0000

■ 130.5896,
158.7346, 87.9046

■ 0.0000, 0.0000,
0.0000

■ 163.3859,

196.5914, 114.6498

201.2590,
240.0341, 146.3343

■ 19.9672, 27.3706,
7.7207

■ 19.9672, 27.3706,
7.7207

■ 18.9550, 26.8851,
6.0754

■ 21.1350, 27.9249,
9.9722

■ 18.0846, 26.4598,
4.9754

■ 22.4668, 28.5485,
12.8798

■ 17.3416, 26.0899,
4.3459

■ 23.9726, 29.2464,
16.4901

■ 16.9946, 25.9160,
4.1066

■ 25.6610, 30.0222,
20.8450

■ 27.5399, 30.8790,
25.9832

■ 29.6167, 31.8199,
31.9406

■ 31.8982, 32.8477,
38.7509

■ 34.3911, 33.9651,
46.4460

■ 37.1017, 35.1747,
55.0560

Harmonies

Analogous

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



25.9678, 27.3706, 5.8308



19.9672, 27.3706, 7.7207



16.2253, 27.3706, 14.7815

Triad

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



19.9672, 27.3706, 7.7207



20.0357, 27.3706, 75.6327



41.4298, 27.3706, 29.6672

Complementary

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



19.9672, 27.3706, 7.7207



11.1775, 7.0469, 31.3445

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.



39.1140, 27.3706, 52.5902



19.9672, 27.3706, 7.7207



26.0621, 27.3706, 85.2353

Square

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



19.9672, 27.3706, 7.7207



16.2597, 27.3706, 52.9322



33.1750, 27.3706, 75.3819



39.0522, 27.3706, 14.6355

Rectangle

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



19.9672, 27.3706, 7.7207



15.1268, 27.3706, 23.8669



33.1750, 27.3706, 75.3819



41.1702, 27.3706, 36.6473

Sweetspot

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



19.9678, 27.3718, 7.7213



48.4646, 55.3807, 42.8676



17.4285, 14.0078, 5.2756



10.7644, 12.4415, 9.1438



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.



19.9678, 27.3718, 7.7213



33.6687, 48.4654, 9.9947



14.7965, 24.7059, 7.4793



6.5048, 7.1177, 6.6369



13.8845, 21.1336, 3.3474



0.2461, 0.3358, 0.0518

Inverse Universe

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



11.1775, 7.0469, 31.3445



16.5182, 8.6462, 56.3346



17.5242, 10.3187, 31.6415



6.0726, 6.1233, 7.7908



5.9564, 2.5217, 25.0805



0.1253, 0.0564, 0.3767

Previews

White Background



This preview shows how the XYZ color 19.9672, 27.3706, 7.7207 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



This preview shows how the XYZ color 19.9672, 27.3706, 7.7207 looks on a 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 19.9672, 27.3706, 7.7207

Background



This preview shows how black text looks on a background with the XYZ color 19.9672, 27.3706, 7.7207.



This preview shows how white text looks on a background with the XYZ color 19.9672, 27.3706,

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

19.9672, 27.3706, 7.7207

Protanopia

24.7181, 27.2549, 7.0899

Deuteranopia

27.6110, 27.0013, 8.0315



Tritanopia

25.4897, 27.2524, 35.3693

Trichromacy



Original Color

19.9672, 27.3706, 7.7207

Protanomaly

22.7306, 27.1351, 7.2884

Deuteranomaly

24.1470, 26.7194, 7.8877

Tritanomaly

22.8218, 27.1009, 21.4809

Monochromacy



Original Color

19.9672, 27.3706, 7.7207

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.7789, 24.3448, 16.7006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9672, 27.3706, 7.7207 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(120, 154, 54)` looks like.

```
.text, #text, p{  
    color:rgb(120, 154, 54)  
}
```

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(120, 154, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 154, 54) }
```

Border

The CSS property to change the border of an element to XYZ 19.9672, 27.3706, 7.7207 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(120, 154, 54) }
```


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

```
.border{ border-color:rgb(120, 154, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 154, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 154, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 154, 54);  
box-shadow:4px 4px 4px 4px rgb(120, 154,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9672, 27.3706, 7.7207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 154, 54) }
```

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

```
.background{ background-color: rgb(120,  
154, 54) }
```

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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