

Converting Colors

XYZ(21.7232, 22.0847, 34.0771)

Have a look what the booklet for
XYZ(21.7232, 22.0847, 34.0771)
contains.

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Color

**XYZ(21.7927, 22.2046,
34.1477)**

Conversions

Conversions Part 1

Format	Color
Hex	7A819B
RGB	122, 129, 155
RGB Percent	48%, 51%, 61%
CMY	0.5216, 0.4941, 0.3922
CMYK	0.21, 0.17, 0.00, 0.39
HSL	227°, 14%, 54%
HSV	227°, 21%, 61%
XYZ	21.7927, 22.2046, 34.1477
YIQ	129.8710, -12.5180, 6.6020

Conversions

Conversions Part 2

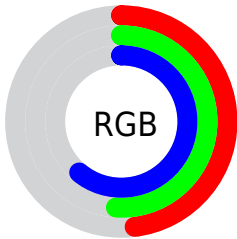
Format	Color
R_YB	122, 128, 155
Decimal	8028571
CIE Lab	54.24, 3.25, -14.77
CIE LCh	54, 15.127, 282.423
Yxy	22.2046, 0.2789, 0.2841
Android (android.graphics.Color)	4286218651 (0xFF7A819B)
YUV	129.8710, 12.3886, -6.9029
Hunter-Lab	47.1218, 0.0890, -9.9804

Details

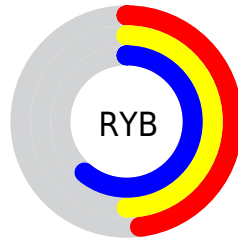
The XYZ color **21.7927, 22.2046, 34.1477** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **27.6207, 29.5538, 22.6617**, and the grayscale version is **21.1338, 22.2344, 24.2133**.

A 20% lighter version of the original color is **45.9158, 47.1733, 67.0069**, and **8.1150, 8.1533, 14.2427** is the 20% darker color. If you saturate the color by 10%, you get **18.2571, 18.1355, 33.5490**, and if you desaturate by 10%, it is **25.8720, 26.8405, 34.8279**.

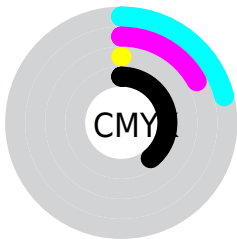
Distribution



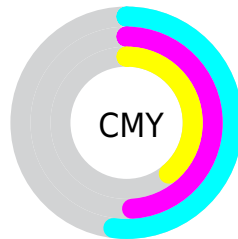
- Red (48%)
- Green (51%)
- Blue (61%)



- Red (48%)
- Yellow (50%)
- Blue (61%)



- Cyan (21%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (52%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7927, 22.2046, 34.1477 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 21.7927, 22.2046, 34.1477 by changing the saturation by 10% instead.

■ 21.7927, 22.2046,
34.1477

■ 21.7927, 22.2046,
34.1477

254.1145,
263.6129, 335.5794

■ 13.8204, 14.0073,
22.7288

■ 45.8845, 47.0839,
67.2998

■ 8.0767, 8.1258,
14.1900

■ 62.7348, 64.5348,
89.8701

■ 4.1963, 4.1755,
8.1127

■ 83.2751, 85.8389,
116.9946

■ 1.8138, 1.7722,
4.0783

107.8708,
111.3807, 149.0919

■ 0.5260, 0.4698,
1.6684

136.8872,
141.5446, 186.5805

■ 0.0000, 0.0000,
0.3389

170.6898,

■ 0.0000, 0.0000,

176.7150, 229.8789

0.0000

209.6437,
217.2763, 279.4057

■ 21.7927, 22.2046,
34.1477

■ 21.7927, 22.2046,
34.1477

■ 18.2571, 18.1355,
33.5490

■ 25.8720, 26.8405,
34.8279

■ 15.2398, 14.6084,
33.0272

■ 30.5149, 32.0613,
35.5909

■ 12.7166, 11.6008,
32.5797

■ 35.7426, 37.8877,
36.4400

■ 10.6601, 9.0874,
32.2029

■ 41.5747, 44.3383,
37.3777

■ 9.0406, 7.0407,
31.8932

■ 48.0300, 51.4312,
38.4065

■ 7.8244, 5.4302,
31.6465

■ 55.1263, 59.1835,
39.5288

■ 6.9728, 4.2218,
31.4581

■ 62.8807, 67.6120,
40.7470

■ 6.4571, 3.4478,
31.3359

■ 71.3098, 76.7325,
42.0632

■ 77.9963, 85.3062,
43.3657

Harmonies

Analogous

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



20.1639, 22.2046, 33.8830



21.7927, 22.2046, 34.1477



23.3116, 22.2046, 31.5003

Triad

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



21.7927, 22.2046, 34.1477



23.5271, 22.2046, 18.5659



18.2305, 22.2046, 21.5431

Complementary

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



21.7927, 22.2046, 34.1477



27.6207, 29.5538, 22.6617

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.



19.0419, 22.2046, 18.0870



21.7927, 22.2046, 34.1477



22.0746, 22.2046, 16.5279

Square

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



21.7927, 22.2046, 34.1477



24.3473, 22.2046, 22.2799



20.4315, 22.2046, 16.3649



18.1638, 22.2046, 26.1789

Rectangle

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



21.7927, 22.2046, 34.1477



24.0348, 22.2046, 28.6183



20.4315, 22.2046, 16.3649



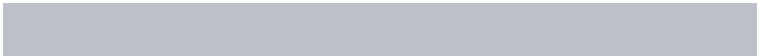
18.4232, 22.2046, 20.2208

Sweetspot

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



21.7934, 22.2055, 34.1482



50.5057, 52.7709, 63.0602



25.0813, 29.7141, 32.3687



11.3202, 11.8190, 14.2550



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.



21.7934, 22.2055, 34.1482



35.6062, 35.8403, 60.5775



22.2909, 21.1396, 33.9162



5.9854, 6.2282, 7.8157



5.2101, 2.8169, 25.1768



0.1004, 0.0871, 0.3839

Inverse Universe

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



24.4401, 22.4733, 23.8194



41.3289, 36.5425, 38.2176



27.0266, 30.9273, 22.9581



6.2598, 6.2431, 6.7480



11.0886, 5.6897, 1.7256



0.1771, 0.0896, 0.0856

Previews

White Background



This preview shows how the XYZ color 21.7927, 22.2046, 34.1477 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 21.7927, 22.2046, 34.1477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

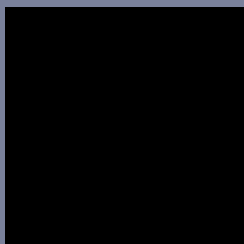
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7927, 22.2046, 34.1477

Background



This preview shows how black text looks on a background with the XYZ color 21.7927, 22.2046, 34.1477.



This preview shows how white text looks on a background with the XYZ color 21.7927, 22.2046,

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

21.7927, 22.2046, 34.1477

Protanopia

21.9477, 22.0900, 34.1174

Deuteranopia

22.5590, 22.2124, 34.1088



Tritanopia

20.6065, 22.1075, 28.7723

Trichromacy



Original Color

21.7927, 22.2046, 34.1477

Protanomaly

21.8039, 22.0159, 34.1106

Deuteranomaly

22.2398, 22.2405, 34.1310

Tritanomaly

20.9948, 22.0649, 30.7562

Monochromacy



Original Color

21.7927, 22.2046, 34.1477

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.3952, 22.3414, 27.6108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7927, 22.2046, 34.1477 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, 129, 155)` looks like.

```
.text, #text, p{  
    color:rgb(122, 129, 155)  
}
```

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, 129, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 129, 155) }
```

Border

The CSS property to change the border of an element to XYZ 21.7927, 22.2046, 34.1477 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, 129, 155) }
```


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

```
.border{ border-color:rgb(122, 129, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 129, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 129, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 129, 155); box-shadow:4px 4px 4px 4px rgb(122, 129, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7927, 22.2046, 34.1477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 129, 155) }
```

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

```
.background{ background-color: rgb(122,  
129, 155) }
```

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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