

Converting Colors

XYZ(21.2160, 19.9143, 29.6554)

Have a look what the booklet for
XYZ(21.2160, 19.9143, 29.6554)
contains.

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Color

**XYZ(21.2621, 19.9877,
29.5254)**

Conversions

Conversions Part 1

Format	Color
Hex	857691
RGB	133, 118, 145
RGB Percent	52%, 46%, 57%
CMY	0.4784, 0.5372, 0.4314
CMYK	0.08, 0.19, 0.00, 0.43
HSL	273°, 11%, 52%
HSV	273°, 19%, 57%
XYZ	21.2621, 19.9877, 29.5254
YIQ	125.5630, 0.2730, 11.5770

Conversions

Conversions Part 2

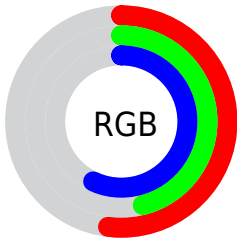
Format	Color
R_{YB}	133, 118, 145
Decimal	8746641
CIE _{Lab}	51.82, 11.18, -12.52
CIE _{LCh}	52, 16.783, 311.780
Yxy	19.9877, 0.3004, 0.2824
Android (android.graphics.Color)	4286936721 (0xFF857691)
YUV	125.5630, 9.5824, 6.5222
Hunter-Lab	44.7076, 6.6529, -7.8605

Details

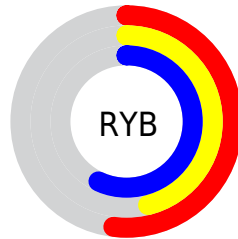
The XYZ color **21.2621, 19.9877, 29.5254** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.6020, 26.3051, 21.0266**, and the grayscale version is **19.6520, 20.6754, 22.5155**.

A 20% lighter version of the original color is **44.9332, 43.3121, 60.0247**, and **7.8230, 7.0455, 11.7741** is the 20% darker color. If you saturate the color by 10%, you get **18.6978, 16.3232, 28.9535**, and if you desaturate by 10%, it is **24.1526, 24.2111, 30.1886**.

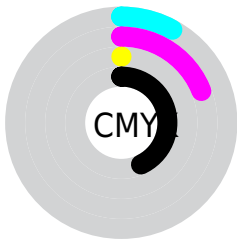
Distribution



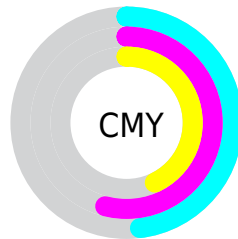
- Red (52%)
- Green (46%)
- Blue (57%)



- Red (52%)
- Yellow (46%)
- Blue (57%)



- Cyan (8%)
- Magenta (19%)
- Yellow (0%)
- Black (43%)



- Cyan (48%)
- Magenta (54%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2621, 19.9877, 29.5254 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 21.2621, 19.9877, 29.5254 by changing the saturation by 10% instead.

■ 21.2621, 19.9877,
29.5254

■ 21.2621, 19.9877,
29.5254

251.3736,
251.8485, 313.8241

■ 13.4293, 12.3861,
19.2296

■ 45.0113, 43.3966,
59.9629

■ 7.8038, 7.0072,
11.6578

■ 61.6584, 59.9726,
80.9418

■ 4.0204, 3.4666,
6.3914

■ 81.9744, 80.3089,
106.3187

■ 1.7137, 1.3799,
3.0119

106.3245,
104.7899, 136.5123

■ 0.4648, 0.2019,
1.1007

135.0741,
133.8000, 171.9411

■ 0.0000, 0.0000,
0.0000

168.5886,

167.7235, 213.0237

207.2333,
206.9449, 260.1785

■ 21.2621, 19.9877,
29.5254

■ 21.2621, 19.9877,
29.5254

■ 18.6978, 16.3232,
28.9535

■ 24.1526, 24.2111,
30.1886

■ 16.4447, 13.1906,
28.4676

■ 27.3797, 29.0137,
30.9455

■ 14.4895, 10.5644,
28.0638

■ 30.9556, 34.4181,
31.8002

■ 12.8170, 8.4159,
27.7372

■ 34.8913, 40.4447,
32.7560

■ 11.4105, 6.7136,
27.4828

■ 39.1974, 47.1131,
33.8161

■ 10.2512, 5.4218,
27.2945

■ 43.8838, 54.4419,
34.9837

■ 9.3176, 4.4992,
27.1657

■ 48.9603, 62.4490,
36.2617

■ 8.5641, 3.8568,
27.0814

■ 54.4361, 71.1515,
37.6529

■ 8.4661, 3.7740,
27.0706

■ 60.3201, 80.5660,
39.1599

Harmonies

Analogous

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



19.6735, 19.9877, 32.2855



21.2621, 19.9877, 29.5254



22.2781, 19.9877, 24.8265

Triad

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



21.2621, 19.9877, 29.5254



20.0392, 19.9877, 14.0208



15.9714, 19.9877, 23.7327

Complementary

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



21.2621, 19.9877, 29.5254



22.6020, 26.3051, 21.0266

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.



16.0563, 19.9877, 18.9628



21.2621, 19.9877, 29.5254



18.3376, 19.9877, 13.8186

Square

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



21.2621, 19.9877, 29.5254



21.5435, 19.9877, 16.0980



16.9001, 19.9877, 15.4967



16.6608, 19.9877, 28.6224

Rectangle

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



21.2621, 19.9877, 29.5254



22.4593, 19.9877, 21.4735



16.9001, 19.9877, 15.4967



15.9115, 19.9877, 22.0555

Sweetspot

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



21.2627, 19.9885, 29.5258



44.6373, 45.4043, 54.3848



20.5853, 21.9018, 29.9308



9.8604, 9.9975, 12.0822



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.2627, 19.9885, 29.5258



36.2468, 33.1602, 52.4637



23.1633, 20.9803, 29.0746



5.3980, 5.3934, 6.7853



7.2917, 3.2526, 23.2206



0.0951, 0.0442, 0.2232

Inverse Universe

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



22.1854, 20.5891, 23.9247



38.2243, 34.4457, 40.5363



20.9481, 25.4432, 21.3710



5.5022, 5.4614, 6.1428



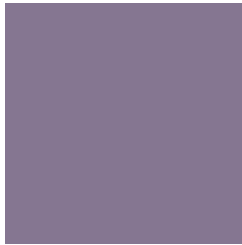
10.8333, 5.4903, 4.7733



0.1144, 0.0568, 0.1026

Previews

White Background



This preview shows how the XYZ color 21.2621, 19.9877, 29.5254 looks on a white background.

Color Contrast Check

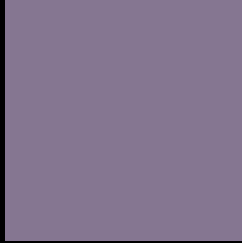
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2621, 19.9877, 29.5254 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 21.2621, 19.9877, 29.5254

Background



This preview shows how black text looks on a background with the XYZ color 21.2621, 19.9877, 29.5254.



This preview shows how white text looks on a background with the XYZ color 21.2621, 19.9877,

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

21.2621, 19.9877, 29.5254

Protanopia

19.8995, 20.1556, 30.8586

Deuteranopia

20.4756, 20.1240, 29.1907



Tritanopia

20.2267, 20.1117, 23.9350

Trichromacy



Original Color

21.2621, 19.9877, 29.5254

Protanomaly

20.2722, 19.9923, 30.3942

Deuteranomaly

20.8038, 20.1137, 29.1714

Tritanomaly

20.6054, 20.0877, 25.7130

Monochromacy



Original Color

21.2621, 19.9877, 29.5254

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.3699, 20.5265, 25.0787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2621, 19.9877, 29.5254 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(133, 118, 145)` looks like.

```
.text, #text, p{  
    color:rgb(133, 118, 145)  
}
```

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(133, 118, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 118, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.2621, 19.9877, 29.5254 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(133, 118, 145) }
```


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

```
.border{ border-color:rgb(133, 118, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 118, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 118, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 118, 145);  
box-shadow:4px 4px 4px 4px rgb(133, 118,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2621, 19.9877, 29.5254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 118, 145) }
```

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

```
.background{ background-color: rgb(133,  
118, 145) }
```

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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