

Converting Colors

XYZ(21.2821, 19.9247, 32.8614)

Have a look what the booklet for
XYZ(21.2821, 19.9247, 32.8614)
contains.

XYZ(21.2815, 19.9239, 32.8610)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2815, 19.9239,
32.8610)**

Conversions

Conversions Part 1

Format	Color
Hex	817699
RGB	129, 118, 153
RGB Percent	51%, 46%, 60%
CMY	0.4941, 0.5372, 0.4000
CMYK	0.16, 0.23, 0.00, 0.40
HSL	259°, 15%, 53%
HSV	259°, 23%, 60%
XYZ	21.2815, 19.9239, 32.8610
YIQ	125.2790, -4.6790, 13.2170

Conversions

Conversions Part 2

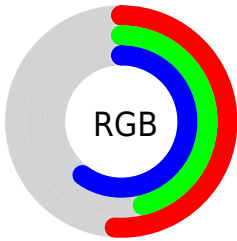
Format	Color
R_{YB}	129, 118, 153
Decimal	8484505
CIE _{Lab}	51.75, 11.59, -17.34
CIE _{LCh}	52, 20.856, 303.746
Yxy	19.9239, 0.2873, 0.2690
Android (android.graphics.Color)	4286674585 (0xFF817699)
YUV	125.2790, 13.6665, 3.2633
Hunter-Lab	44.6362, 6.9913, -12.4037

Details

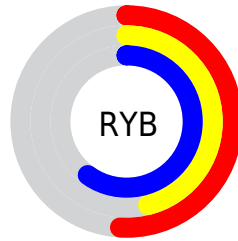
The XYZ color **21.2815, 19.9239, 32.8610** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.8171, 29.8417, 21.5397**, and the grayscale version is **19.5440, 20.5618, 22.3918**.

A 20% lighter version of the original color is **44.9286, 43.1995, 65.0018**, and **7.8129, 7.0019, 13.5101** is the 20% darker color. If you saturate the color by 10%, you get **18.1113, 15.8288, 32.2380**, and if you desaturate by 10%, it is **24.9089, 24.6896, 33.5900**.

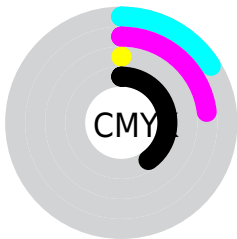
Distribution



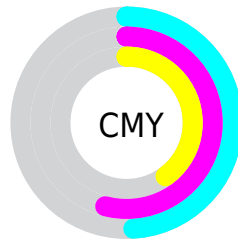
- Red (51%)
- Green (46%)
- Blue (60%)



- Red (51%)
- Yellow (46%)
- Blue (60%)



- Cyan (16%)
- Magenta (23%)
- Yellow (0%)
- Black (40%)



- Cyan (49%)
- Magenta (54%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2815, 19.9239, 32.8610 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 21.2815, 19.9239, 32.8610 by changing the saturation by 10% instead.

■ 21.2815, 19.9239,
32.8610

■ 21.2815, 19.9239,
32.8610

251.4742,
251.5028, 329.6357

■ 13.4436, 12.3397,
21.7497

■ 45.0433, 43.2896,
65.2720

■ 7.8138, 6.9755,
13.4766

■ 61.6979, 59.8398,
87.4087

■ 4.0268, 3.4468,
7.6230

■ 82.0221, 80.1476,
114.0578

■ 1.7173, 1.3692,
3.7704

106.3812,
104.5973, 145.6376

■ 0.4671, 0.1939,
1.5002

135.1406,
133.5733, 182.5668

■ 0.0000, 0.0000,
0.2181

168.6657,

■ 0.0000, 0.0000,

167.4599, 225.2638

0.0000

207.3218,
206.6417, 274.1473

■ 21.2815, 19.9239,
32.8610

■ 21.2815, 19.9239,
32.8610

■ 18.1113, 15.8288,
32.2380

■ 24.9089, 24.6896,
33.5900

■ 15.3773, 12.3710,
31.7147

■ 29.0095, 30.1520,
34.4282

■ 13.0600, 9.5184,
31.2862

■ 33.6006, 36.3389,
35.3805

■ 11.1370, 7.2346,
30.9467

■ 38.6983, 43.2759,
36.4508

■ 9.5842, 5.4797,
30.6898

■ 44.3178, 50.9873,
37.6430

8.3740, 4.2078,
30.5081

50.4738, 59.4961,
38.9609

7.4748, 3.3652,
30.3929

57.1801, 68.8246,
40.4080

6.9728, 2.9304,
30.3354

64.4503, 78.9942,
41.9878

72.0727, 89.5757,
43.6285

Harmonies

Analogous

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



19.2034, 19.9239, 35.4770



21.2815, 19.9239, 32.8610



22.8138, 19.9239, 27.2504

Triad

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



21.2815, 19.9239, 32.8610



20.7891, 19.9239, 12.8523



15.1701, 19.9239, 22.4617

Complementary

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



21.2815, 19.9239, 32.8610



25.8171, 29.8417, 21.5397

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.



15.5264, 19.9239, 16.9490



21.2815, 19.9239, 32.8610



18.6733, 19.9239, 12.0420

Square

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



21.2815, 19.9239, 32.8610



22.5150, 19.9239, 15.8580



16.7715, 19.9239, 13.3953



15.7598, 19.9239, 28.8099

Rectangle

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



21.2815, 19.9239, 32.8610



23.2633, 19.9239, 22.9844



16.7715, 19.9239, 13.3953



15.1835, 19.9239, 20.4523

Sweetspot

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



21.2821, 19.9247, 32.8614



48.7152, 49.6712, 60.9919



22.9692, 25.6472, 33.8771



10.6727, 10.8558, 13.4504



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.2821, 19.9247, 32.8614



35.3682, 32.1191, 58.3075



24.0828, 21.3685, 32.9925



6.0581, 6.1158, 7.7901



5.7941, 2.4380, 25.0729



0.1212, 0.0543, 0.3765

Inverse Universe

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



24.4984, 21.6829, 28.4858



42.1280, 35.8178, 48.9612



23.1193, 28.4509, 21.4135



6.3785, 6.2906, 7.3735



12.9767, 6.4449, 11.6680



0.2102, 0.1028, 0.2598

Previews

White Background



This preview shows how the XYZ color 21.2815, 19.9239, 32.8610 looks on a white background.

Color Contrast Check

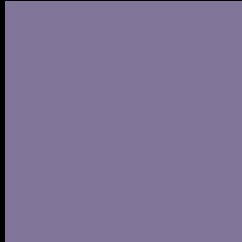
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2815, 19.9239, 32.8610 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 21.2815, 19.9239, 32.8610

Background



This preview shows how black text looks on a background with the XYZ color 21.2815, 19.9239, 32.8610.



This preview shows how white text looks on a background with the XYZ color 21.2815, 19.9239,

32.8610.

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

21.2815, 19.9239, 32.8610

Protanopia

20.0305, 19.9642, 34.2502

Deuteranopia

20.3900, 20.0067, 32.4928



Tritanopia

19.5818, 19.9450, 24.6475

Trichromacy



Original Color

21.2815, 19.9239, 32.8610

Protanomaly

20.4995, 20.0344, 33.7969

Deuteranomaly

20.6961, 19.9850, 32.4725

Tritanomaly

20.1752, 20.0038, 27.6087

Monochromacy



Original Color

21.2815, 19.9239, 32.8610

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.9369, 20.1040, 25.7513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2815, 19.9239, 32.8610 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(129, 118, 153)` looks like.

```
.text, #text, p{  
    color:rgb(129, 118, 153)  
}
```

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(129, 118, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 118, 153) }
```

Border

The CSS property to change the border of an element to XYZ 21.2815, 19.9239, 32.8610 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(129, 118, 153) }
```


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

```
.border{ border-color:rgb(129, 118, 153) }
```

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

Here you see how a box with a 4 pixel rgb(129, 118, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 118, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 118, 153);  
box-shadow:4px 4px 4px 4px rgb(129, 118,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2815, 19.9239, 32.8610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 118, 153) }
```

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

```
.background{ background-color: rgb(129,  
118, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor