

Converting Colors

XYZ(21.2685, 19.5662, 28.7853)

Have a look what the booklet for
XYZ(21.2685, 19.5662, 28.7853)
contains.

| | |
|--|----|
| XYZ(21.2420, 19.4789, 28.6268) | 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(21.2420, 19.4789,
28.6268)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 88738F |
| RGB | 136, 115, 143 |
| RGB Percent | 53%, 45%, 56% |
| CMY | 0.4667, 0.5490, 0.4392 |
| CMYK | 0.05, 0.20, 0.00, 0.44 |
| HSL | 285°, 11%, 51% |
| HSV | 285°, 20%, 56% |
| XYZ | 21.2420, 19.4789, 28.6268 |
| YIQ | 124.4710, 3.5280, 13.1600 |

Conversions

Conversions Part 2

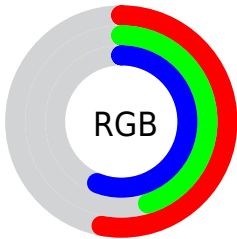
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 136, 115, 143 |
| Decimal | 8942479 |
| CIE _{Lab} | 51.24, 13.59, -12.19 |
| CIE _{LCh} | 51, 18.254, 318.106 |
| Yxy | 19.4789, 0.3063, 0.2809 |
| Android (android.graphics.Color) | 4287132559 (0xFF88738F) |
| YUV | 124.4710, 9.1348, 10.1109 |
| Hunter-Lab | 44.1349, 8.6754, -7.5623 |

Details

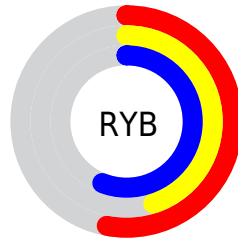
The XYZ color $21.2420, 19.4789, 28.6268$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $20.9437, 25.0208, 19.9463$, and the grayscale version is $19.2855, 20.2899, 22.0957$.

A 20% lighter version of the original color is $44.8830, 42.4875, 58.6586$, and $7.8207, 6.7831, 11.2530$ is the 20% darker color. If you saturate the color by 10%, you get $19.1654, 16.1730, 28.0984$, and if you desaturate by 10%, it is $23.5922, 23.3024, 29.2412$.

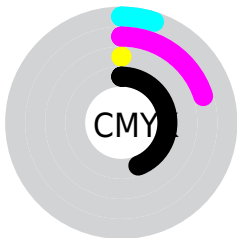
Distribution



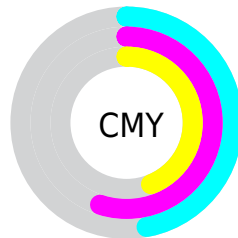
- Red (53%)
- Green (45%)
- Blue (56%)



- Red (53%)
- Yellow (45%)
- Blue (56%)



- Cyan (5%)
- Magenta (20%)
- Yellow (0%)
- Black (44%)



- Cyan (47%)
- Magenta (55%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2420, 19.4789, 28.6268 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 21.2420, 19.4789, 28.6268 by changing the saturation by 10% instead.

■ 21.2420, 19.4789,
28.6268

■ 21.2420, 19.4789,
28.6268

251.2693,
249.0800, 309.4556

■ 13.4145, 12.0168,
18.5555

■ 44.9782, 42.5418,
58.5187

■ 7.7935, 6.7551,
11.1760

■ 61.6176, 58.9114,
79.1764

■ 4.0138, 3.3094,
6.0697

■ 81.9249, 79.0189,
104.2001

■ 1.7100, 1.2953,
2.8180

■ 106.2657,
103.2488, 134.0081

■ 0.4625, 0.1376,
1.0025

135.0051,
131.9855, 169.0192

■ 0.0000, 0.0000,
0.0000

168.5086,

165.6133, 209.6518

207.1416,
204.5167, 256.3244

■ 21.2420, 19.4789,
28.6268

■ 21.2420, 19.4789,
28.6268

■ 19.1654, 16.1730,
28.0984

■ 23.5922, 23.3024,
29.2412

■ 17.3486, 13.3588,
27.6510

■ 26.2252, 27.6629,
29.9441

■ 15.7797, 11.0120,
27.2807

■ 29.1520, 32.5818,
30.7393

■ 14.4448, 9.1052,
26.9830

■ 32.3825, 38.0785,
31.6300

■ 13.3285, 7.6081,
26.7529

■ 35.9262, 44.1715,
32.6193

■ 12.4135, 6.4863,
26.5846

■ 39.7919, 50.8787,
33.7102

■ 11.6798, 5.7000,
26.4715

■ 43.9883, 58.2168,
34.9054

■ 11.0761, 5.1469,
26.3965

■ 48.5236, 66.2023,
36.2077

■ 11.0514, 5.1244,
26.3935

■ 53.4059, 74.8508,
37.6197

Harmonies

Analogous

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



19.6227, 19.4789, 32.2274



21.2420, 19.4789, 28.6268



22.1524, 19.4789, 23.3416

Triad

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



21.2420, 19.4789, 28.6268



19.2444, 19.4789, 12.8389



15.3843, 19.4789, 24.4775

Complementary

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



21.2420, 19.4789, 28.6268



20.9437, 25.0208, 19.9463

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.



15.2978, 19.4789, 19.2108



21.2420, 19.4789, 28.6268



17.4481, 19.4789, 13.0411

Square

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



21.2420, 19.4789, 28.6268



20.9495, 19.4789, 14.5917



16.0304, 19.4789, 15.1983



16.2751, 19.4789, 29.5748

Rectangle

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



21.2420, 19.4789, 28.6268



22.1976, 19.4789, 19.8276



16.0304, 19.4789, 15.1983



15.2624, 19.4789, 22.6535

Sweetspot

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



21.2426, 19.4797, 28.6272



43.8188, 44.3153, 52.7822



19.0459, 19.6628, 28.7783



9.9888, 10.0637, 12.0882



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.



21.2426, 19.4797, 28.6272



36.5312, 32.4630, 50.8786



21.9362, 19.8928, 26.1508



5.4964, 5.4441, 6.7899



9.7911, 4.5411, 23.3376



0.1137, 0.0538, 0.2241

Inverse Universe

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



20.9720, 19.5071, 21.0732



35.9951, 32.5381, 34.9725



20.3774, 24.6838, 21.9524



5.4608, 5.4448, 5.9244



10.3015, 5.2776, 1.9732



0.1062, 0.0536, 0.0597

Previews

White Background



This preview shows how the XYZ color 21.2420, 19.4789, 28.6268 looks on a white background.

Color Contrast Check

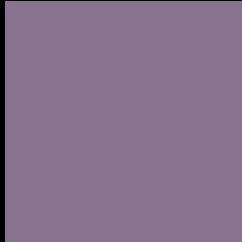
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2420, 19.4789, 28.6268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

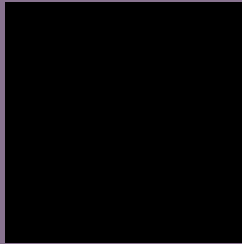
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2420, 19.4789, 28.6268

Background



This preview shows how black text looks on a background with the XYZ color 21.2420, 19.4789, 28.6268.



This preview shows how white text looks on a background with the XYZ color 21.2420, 19.4789,

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

21.2420, 19.4789, 28.6268

Protanopia

19.4400, 19.5632, 30.3552

Deuteranopia

19.7915, 19.4317, 28.2988



Tritanopia

20.1407, 19.5575, 22.7921

Trichromacy



Original Color

21.2420, 19.4789, 28.6268

Protanomaly

20.0973, 19.5541, 29.9092

Deuteranomaly

20.2630, 19.4991, 28.2869

Tritanomaly

20.5866, 19.5669, 24.8821

Monochromacy



Original Color

21.2420, 19.4789, 28.6268

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.8362, 19.9026, 24.2688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2420, 19.4789, 28.6268 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(136, 115, 143)` looks like.

```
.text, #text, p{  
    color:rgb(136, 115, 143)  
}
```

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(136, 115, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 115, 143) }
```

Border

The CSS property to change the border of an element to XYZ 21.2420, 19.4789, 28.6268 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(136, 115, 143) }
```


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

```
.border{ border-color:rgb(136, 115, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 115, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 115, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 115, 143);  
box-shadow:4px 4px 4px 4px rgb(136, 115,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2420, 19.4789, 28.6268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 115, 143) }
```

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

```
.background{ background-color: rgb(136,  
115, 143) }
```

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