

Converting Colors

XYZ(28.3276, 24.6308, 50.8386)

Have a look what the booklet for
XYZ(28.3276, 24.6308, 50.8386)
contains.

| | |
|--|----|
| XYZ(28.3920, 24.6635, 50.8411) | 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(28.3920, 24.6635,
50.8411)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 927EBC |
| RGB | 146, 126, 188 |
| RGB Percent | 57%, 49%, 74% |
| CMY | 0.4274, 0.5059, 0.2627 |
| CMYK | 0.22, 0.33, 0.00, 0.26 |
| HSL | 259°, 32%, 62% |
| HSV | 259°, 33%, 74% |
| XYZ | 28.3920, 24.6635, 50.8411 |
| YIQ | 139.0480, -7.9820, 23.5220 |

Conversions

Conversions Part 2

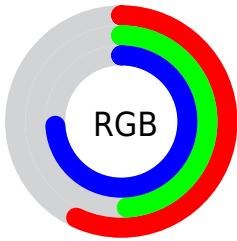
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 146, 126, 188 |
| Decimal | 9600700 |
| CIE _{Lab} | 56.75, 20.68, -29.74 |
| CIE _{LCh} | 57, 36.219, 304.813 |
| Yxy | 24.6635, 0.2733, 0.2374 |
| Android (android.graphics.Color) | 4287790780 (0xFF927EBC) |
| YUV | 139.0480, 24.1333, 6.0969 |
| Hunter-Lab | 49.6624, 15.1394, -25.9336 |

Details

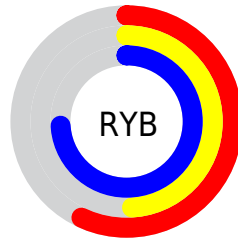
The XYZ color **28.3920, 24.6635, 50.8411** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **37.8982, 45.7982, 26.5821**, and the grayscale version is **24.4720, 25.7464, 28.0379**.

A 20% lighter version of the original color is **56.5366, 51.1894, 92.4887**, and **11.5730, 9.4087, 23.7603** is the 20% darker color. If you saturate the color by 10%, you get **24.0711, 19.1969, 50.0141**, and if you desaturate by 10%, it is **33.4186, 31.1656, 51.8316**.

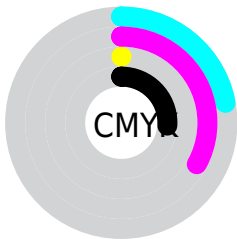
Distribution



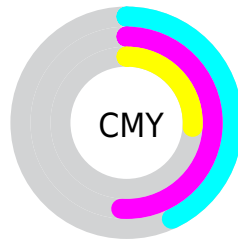
- Red (57%)
- Green (49%)
- Blue (74%)



- Red (57%)
- Yellow (49%)
- Blue (74%)



- Cyan (22%)
- Magenta (33%)
- Yellow (0%)
- Black (26%)



- Cyan (43%)
- Magenta (51%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3920, 24.6635, 50.8411 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 28.3920, 24.6635, 50.8411 by changing the saturation by 10% instead.

■ 28.3920, 24.6635,
50.8411

■ 28.3920, 24.6635,
50.8411

286.3816,
276.1580, 406.7750

■ 18.7633, 15.8265,
35.7063

■ 56.5140, 51.1108,
92.8289

■ 11.6024, 9.4015,
23.9196

■ 75.7380, 69.4899,
120.5191

■ 6.5438, 5.0040,
15.0623

■ 98.8911, 91.8185,
153.2314

■ 3.2222, 2.2496,
8.7160

126.3388,
118.4810, 191.3845

■ 1.2724, 0.7468,
4.4621

158.4463,
149.8618, 235.3969

■ 0.1624, 0.0000,
1.8821

195.5790,

■ 0.0000, 0.0000,

186.3453, 285.6870

0.4813

238.1023,
228.3159, 342.6736

■ 0.0000, 0.0000,
0.0000

■ 28.3920, 24.6635,
50.8411

■ 28.3920, 24.6635,
50.8411

■ 24.0711, 19.1969,
50.0141

■ 33.4186, 31.1656,
51.8316

■ 20.4196, 14.7078,
49.3401

■ 39.1796, 38.7511,
52.9921

■ 17.4021, 11.1370,
48.8099

■ 45.7050, 47.4683,
54.3308

■ 14.9780, 8.4174,
48.4127

■ 53.0226, 57.3617,
55.8547

■ 13.1017, 6.4724,
48.1362

■ 61.1585, 68.4736,
57.5707

■ 11.7199, 5.2108,
47.9655

■ 70.1377, 80.8440,
59.4852

■ 10.9799, 4.6118,
47.8889

■ 79.1480, 92.8387,
61.3255

■ 83.5083, 95.0866,
61.5296

■ 86.0772, 96.4109,
61.6498

Harmonies

Analogous

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



24.1301, 24.6635, 57.3472



28.3920, 24.6635, 50.8411



31.5879, 24.6635, 38.0216

Triad

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



28.3920, 24.6635, 50.8411



27.0717, 24.6635, 10.8241



16.2433, 24.6635, 28.8540

Complementary

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



28.3920, 24.6635, 50.8411



37.8982, 45.7982, 26.5821

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.



16.8326, 24.6635, 18.1206



28.3920, 24.6635, 50.8411



22.7669, 24.6635, 9.7030

Square

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



28.3920, 24.6635, 50.8411



30.7637, 24.6635, 15.6420



19.1035, 24.6635, 11.9245



17.3851, 24.6635, 42.4459

Rectangle

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



28.3920, 24.6635, 50.8411



32.4982, 24.6635, 29.0130



19.1035, 24.6635, 11.9245



16.2469, 24.6635, 24.8056

Sweetspot

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



28.3928, 24.6645, 50.8417



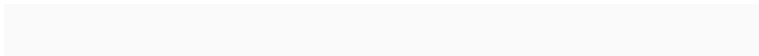
74.1919, 74.4644, 96.6889



31.7525, 36.2081, 52.8927



15.6094, 15.5539, 20.7221



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.3928, 24.6645, 50.8417



45.3334, 36.9308, 90.9652



34.5867, 27.8575, 51.1315



9.2985, 9.3708, 11.9909



7.5454, 3.1759, 32.6082



0.3656, 0.1605, 1.2806

Inverse Universe

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



35.2685, 28.4411, 40.6773



60.0388, 45.0216, 68.6182



32.1266, 42.8228, 26.3120



9.7955, 9.6425, 11.3119



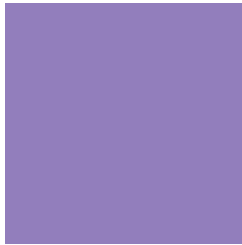
16.7793, 8.3429, 14.6635



0.6860, 0.3383, 0.7255

Previews

White Background



This preview shows how the XYZ color 28.3920, 24.6635, 50.8411 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 28.3920, 24.6635, 50.8411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

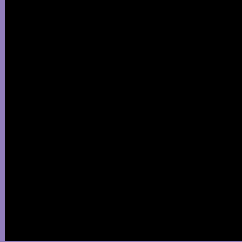
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3920, 24.6635, 50.8411

Background



This preview shows how black text looks on a background with the XYZ color 28.3920, 24.6635, 50.8411.



This preview shows how white text looks on a background with the XYZ color 28.3920, 24.6635,

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

28.3920, 24.6635, 50.8411

Protanopia

25.5988, 24.7271, 54.4625

Deuteranopia

25.2732, 24.6603, 49.8823



Tritanopia

24.2560, 24.7756, 30.2918

Trichromacy



Original Color

28.3920, 24.6635, 50.8411

Protanomaly

26.5328, 24.6276, 53.2243

Deuteranomaly

26.2919, 24.5663, 50.3697

Tritanomaly

25.6688, 24.7385, 37.1403

Monochromacy



Original Color

28.3920, 24.6635, 50.8411

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.7662, 25.2353, 35.4112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3920, 24.6635, 50.8411 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(146, 126, 188)` looks like.

```
.text, #text, p{  
    color:rgb(146, 126, 188)  
}
```

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(146, 126, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 126, 188) }
```

Border

The CSS property to change the border of an element to XYZ 28.3920, 24.6635, 50.8411 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(146, 126, 188) }
```


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

```
.border{ border-color:rgb(146, 126, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 126, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 126, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 126, 188);  
box-shadow:4px 4px 4px 4px rgb(146, 126,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3920, 24.6635, 50.8411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 126, 188) }
```

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

```
.background{ background-color: rgb(146,  
126, 188) }
```

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